

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER


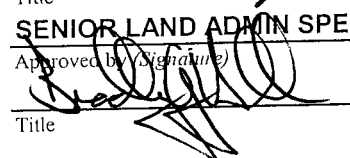
FORM APPROVED
OMB No. 1004-0136
Expires November 30, 2000

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-01193
b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name TRIBAL SURFACE
2. Name of Operator KERR MCGEE OIL AND GAS ONSHORE LP		7. If Unit or CA Agreement, Name and No. UNIT #891008900A
3A. Address 1368 SOUTH 1200 EAST VERNAL, UT 84078		8. Lease Name and Well No. NBU 921-14P
3b. Phone No. (include area code) (435) 781-7024		9. API Well No. 43-047-39248
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface SE/SE 878'FSL, 1163'FEL At proposed prod. Zone 44320644 40.031196 -109.513027		10. Field and Pool, or Exploratory NATURAL BUTTES
14. Distance in miles and direction from nearest town or post office* 30.5 +/- MILES FROM OURAY, UTAH		11. Sec., T., R., M., or Blk, and Survey or Area SEC. 14, T9S, R21E
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 878'	16. No. of Acres in lease 1920.00	12. County or Parish UINTAH
17. Spacing Unit dedicated to this well 40.00	18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. REFER TO TOPO C	13. State UTAH
19. Proposed Depth 9920'	20. BLM/BIA Bond No. on file RLB0005239	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 4851'GL	22. Approximate date work will start* UPON APPROVAL	23. Estimated duration TO BE DETERMINED

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office.
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification.
- Such other site specific information and/or plans as may be required by the authorized office.

25. Signature 	Name (Printed/Typed) SHEILA UPCHEGO	Date 4/19/2007
Title SENIOR LAND ADMIN SPECIALIST		
Approved by (Signature) 	Name (Printed/Typed) BRADLEY G. HILL	Date 04-26-07
Title ENVIRONMENTAL MANAGER		

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

RECEIVED

APR 23 2007

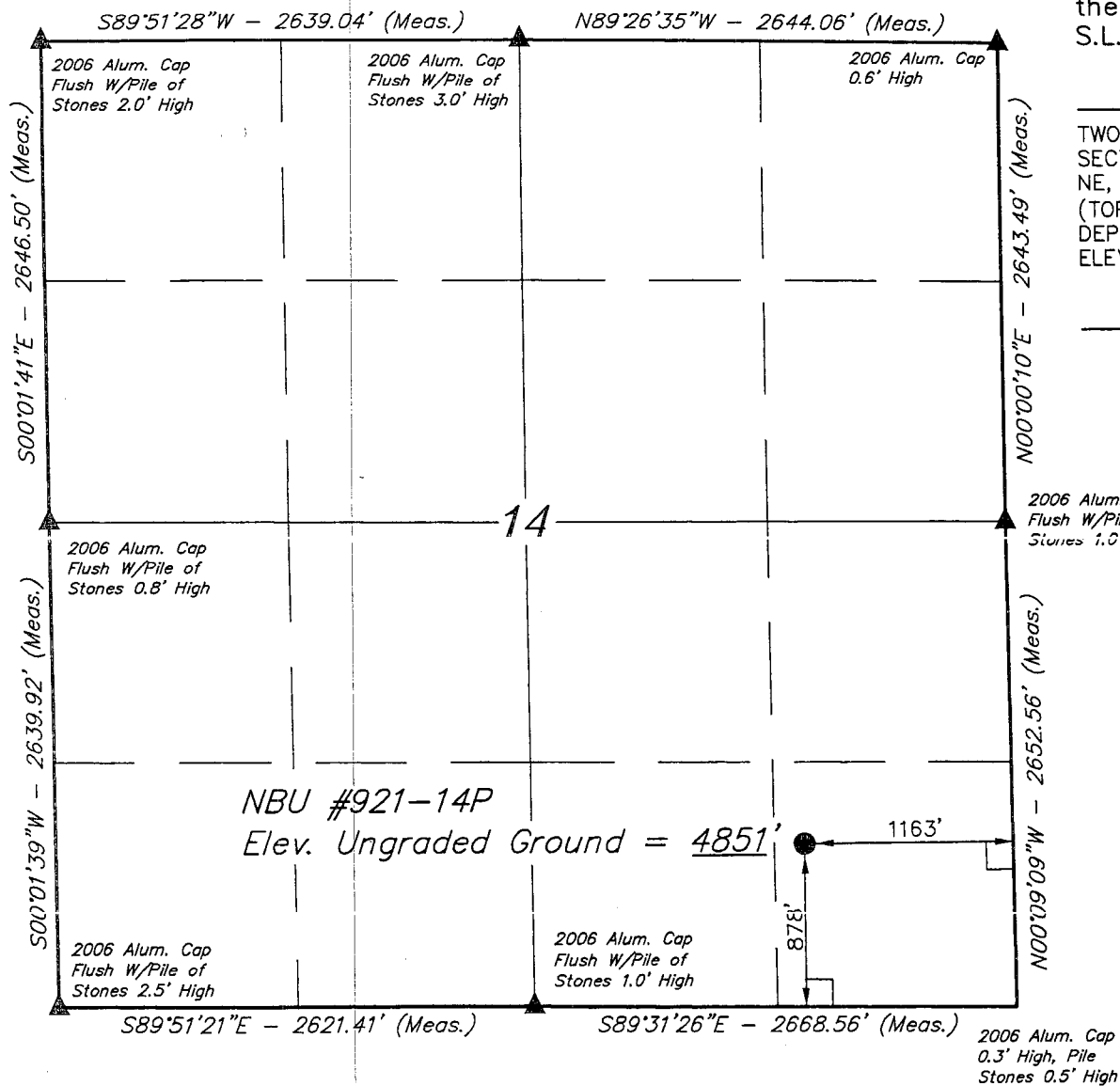
DIV. OF OIL, GAS & MINING

Federal Approval of this
Action Is Necessary

T9S, R21E, S.L.B.&M.

Kerr-McGee Oil & Gas Onshore LP

Well location, NBU #921-14P, located as shown in the SE 1/4 SE 1/4 of Section 14, T9S, R21E, S.L.B.&M. Uintah County, Utah.

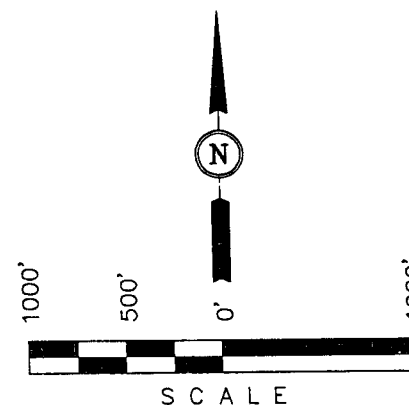


BASIS OF ELEVATION

TWO WATER TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN NE, QUADRANGLE, UTAH, UTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FEET.

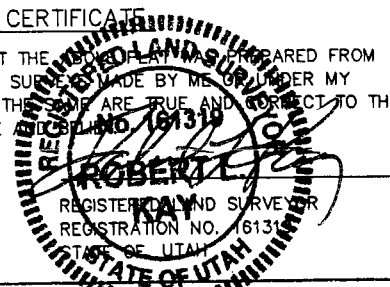
BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



CERTIFICATE

THIS IS TO CERTIFY THAT THE SURVEY PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEY MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



LEGEND:

- = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

(NAD 83)
 LATITUDE = 40°01'52.31" (40.031197)
 LONGITUDE = 109°30'49.39" (109.513719)
 (NAD 27)
 LATITUDE = 40°01'52.44" (40.031233)
 LONGITUDE = 109°30'46.92" (109.513033)

UINTAH ENGINEERING & LAND SURVEYING
 85 SOUTH 200 EAST - VERNAL, UTAH 84078
 (435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 01-19-07	DATE DRAWN: 01-23-07
PARTY D.A. B.M. C.H.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE Kerr-McGee Oil & Gas Onshore LP	

NBU 921-14P
SE/SE Sec. 14, T9S, R21E
UINTAH COUNTY, UTAH
UTU-01193

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. **Estimated Tops of Important Geologic Markers:**

<u>Formation</u>	<u>Depth</u>
Uinta	0- Surface
Green River	1651'
Top of Birds Nest Water	2001'
Mahogany	2344'
Wasatch	4983'
Mesaverde	7772'
MVU2	8716'
MVL1	9306'
TD	9920'

2. **Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:**

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River	1651'
	Top of Birds Nest Water	2001'
	Mahogany	2344'
	Wasatch	4983'
Gas	Mesaverde	7772'
Gas	MVU2	8716'
Gas	MVL1	9306'
Water	N/A	
Other Minerals	N/A	

3. **Pressure Control Equipment** (Schematic Attached)

Please see the Natural Buttes Unit Standard Operating Procedure (SOP).

4. **Proposed Casing & Cementing Program:**

Please see the Natural Buttes Unit SOP.

5. **Drilling Fluids Program:**

Please see the Natural Buttes Unit SOP.

6. **Evaluation Program:**

Please see the Natural Buttes Unit SOP.

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 9920' TD, approximately equals 6150 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 3968 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates:**

Drilling is planned to commence immediately upon approval of this application.

9. **Variances:**

Please see Natural Buttes Unit SOP.

10. **Other Information:**

Please see Natural Buttes Unit SOP.

KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

COMPANY NAME	KERR-McGEE OIL & GAS ONSHORE LP	DATE	April 19, 2007	
WELL NAME	NBU 921-14P	TD	9,920'	MD/TVD
FIELD	Natural Buttes	COUNTY	Uintah	STATE Utah
SURFACE LOCATION	SE/SE SEC. 14, T9S, R21E 878'FSL, 1163'FEL		ELEVATION	4,851' GL KB 4,866'
	Latitude: 40.031197	Longitude: 109.513719		BHL Straight Hole
OBJECTIVE ZONE(S)	Wasatch/Mesaverde			
ADDITIONAL INFO	Regulatory Agencies: TRIBAL (SURF & MINERALS), BLM, UDOGM, Tri-County Health Dept.			

GEOLOGICAL			MECHANICAL		
LOGS	FORMATION TOPS	DEPTH	HOLE SIZE	CASING SIZE	MUD WEIGHT
		40'		14"	
			12-1/4"	9-5/8", 32.3#, H-40, STC	Air mist
			**For wells w/ surf csg set below 2200' app 10 jts of 3/8" J55 will be run on bottom		
Catch water sample, if possible, from 0 to 4,983'	Green River @ 1,651'				
	Top of Birds Nest Water @ 2,001'				
	Mahogany @ 2,344'				
	Preset f/ GL @ 2,600' MD				
	Note: 12.25" surface hole will usually be drilled ±400' below the bottom of lost circulation zone. Drilled depth may be ±200' of the estimated set depth depending on the actual depth of the loss zone.				
Mud logging program TBD					
Open hole logging program f/ TD - surf csg			7-7/8"	4-1/2", 11.6#, I-80 or equivalent LTC casing	Water/Fresh Water Mud 8.3-11.8 ppg
	Wasatch @ 4,983'				
	Mverde @ 7,772'				
	MVU2 @ 8,716'				
	MVL1 @ 9,306'				
					Max anticipated Mud required 11.8 ppg
	TD @ 9,920'				



KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

CASING PROGRAM

	SIZE		DEPTH		WT	B	C	DESIGN FACTORS		
								BU	COL	TEN
CONDUCTOR	14"		0-40'					2270	1370	254000
SURFACE	9-5/8"	0	to 2200	32.30	H-40	STC	0.58*****	1.33		3.45
	9-5/8"	2200	to 2600	36.00	J-55	STC	1.16*****	2020	1.66	564000
PRODUCTION							7780	6350		7.67
	4-1/2"	0	to 9920	11.60	I-80	LTC	1.99	1.04		201000
										2.00

- 1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point))
- 2) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft-partial evac gradient x TD)
- (Burst Assumptions: TD = 11.8 ppg) .22 psi/ft = gradient for partially evac wellbore
- (Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)
- MASP 3905 psi
- ***** Burst SF is low but csg is stronger than formation at 2600 feet
- ***** EMW @ 2600 for 2270# is 16.8 ppg or 0.9 psi/ft

CEMENT PROGRAM

		THICKNESS		WT	C	W	T
		LEAD	TAIL				
SURFACE Option 1	LEAD	500	Premium cmt + 2% CaCl + .25 pps flocele	215	60%	15.60	1.18
	TOP OUT CMT (1)	250	20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele	100		15.60	1.18
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE Option 2		NOTE: If well will circulate water to surface, option 2 will be utilized					
	LEAD	2000	Prem cmt + 16% Gel + 10 pps gilsonite + .25 pps Flocele + 3% salt BWOC	230	35%	11.00	3.82
	TAIL	500	Premium cmt + 2% CaCl + .25 pps flocele	180	35%	15.60	1.18
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	4,480'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	490	60%	11.00	3.38
	TAIL	5,440'	50/50 Poz/G + 10% salt + 2% gel +.1% R-3	1520	60%	14.30	1.31

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.

Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

Most rigs have PVT Systems for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER:

Brad Laney

DATE:

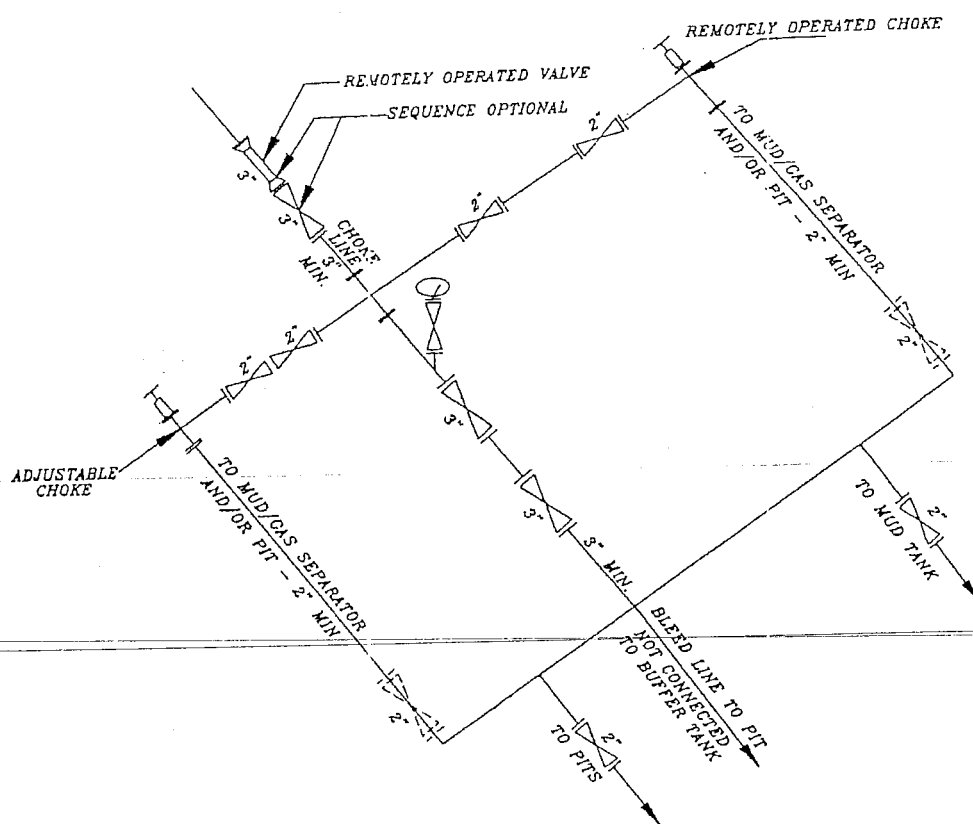
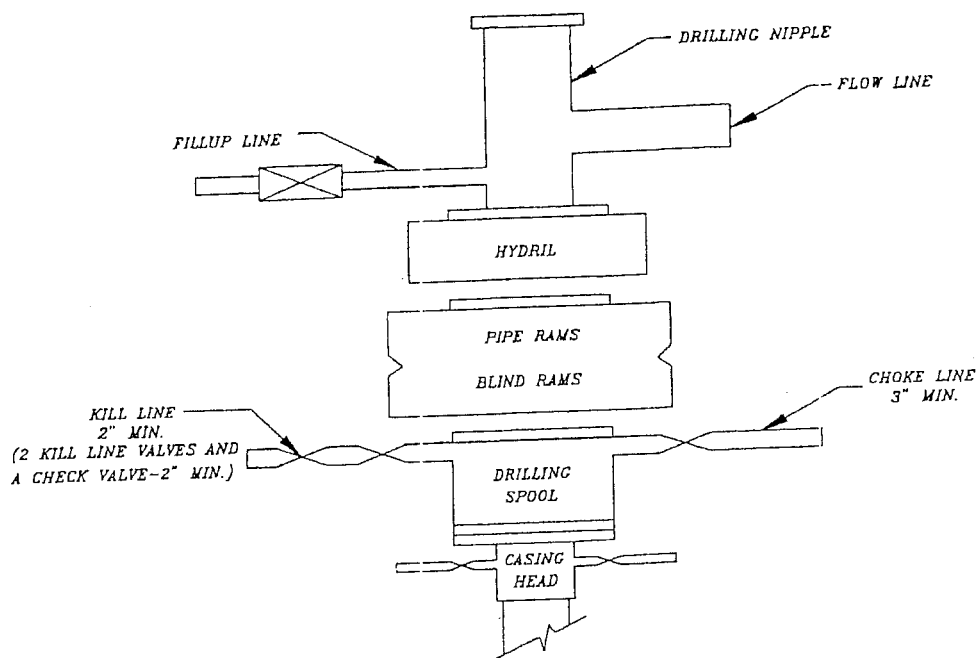
DRILLING SUPERINTENDENT:

Randy Bayne

DATE:

NBU921-14P DHD

5M BOP STACK and CHOKE MANIFOLD SYSTEM



**NBU 921-14P
SE/SE SEC. 14, T9S, R21E
UINTAH COUNTY, UTAH
UTU-01193**

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. Existing Roads:

Refer to the attached location directions.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

2. Planned Access Roads:

Please see the Natural Buttes Unit Standard Operating Procedure (SOP).

Approximately 300' +/- of new access road. Please refer to the attached Topo Map B.

3. Location of Existing Wells Within a 1-Mile Radius:

Please refer to Topo Map C.

4. Location of Existing & Proposed Facilities:

Please see the Natural Buttes Unit SOP.

Approximately 330' +/- of low pressure pipeline is proposed from the location to an existing pipeline.

Approximately 3' +/- of high pressure pipeline is proposed from the location to an existing pipeline.

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The requested color is Carlsbad Canyon Brown (2.5Y 6/2), a non-reflective earthtone.

5. Location and Type of Water Supply:

Please see the Natural Buttes SOP.

6. Source of Construction Materials:

Please see the Natural Buttes SOP.

7. Methods of Handling Waste Materials:

Please see the Natural Buttes SOP.

Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec. 35, T9S

R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E (*Request is in lieu of filing Form 3160-5, after initial production*).

8. **Ancillary Facilities:**

Please see the Natural Buttes SOP.

9. **Well Site Layout:** (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

Culverts will be installed where needed.

A run off diversion for drainage will be constructed where needed.

The reserve pit will be lined. When the reserve pit is closed the pit liner will be buried below plow depth.

Location size may change prior to the drilling of the well due to the current rig availability. If the proposed location is not large enough to accommodate the drilling rig. The location will be re-surveyed and a form 3160-5 will be submitted.

10. **Plans for Reclamation of the Surface:**

Please see the Natural Buttes SOP.

11. **Surface Ownership:**

The well pad and access road are located on lands owned by:

Ute Indian Tribe
P.O. Box 70
Fort Duchesne, Utah 84026
(435) 722-5141

12. **Other Information:**

A Class III Archaeological Survey Report has been conducted for this location and submitted to the Ute Indian Tribe prior to the on-site inspection.

This location is not within 460' from the boundary of the Natural Buttes Unit, nor is it within 460' of any non-committed tract lying within boundaries of the unit.

13. Lessee's or Operator's Representative & Certification:

Sheila Upchego
Senior Land Admin Specialist
Kerr-McGee Oil & Gas Onshore LP
1368 South 1200 East
Vernal, UT 84078
(435) 781-7024

Randy Bayne
Drilling Manager
Kerr-McGee Oil & Gas Onshore LP
1368 South 1200 East
Vernal, UT 84078
(435) 781-7018


Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well. Kerr-McGee Oil & Gas Onshore LP agrees to be responsible under the terms and conditions of the lease for the operations conducted upon leased lands.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Bureau of Indian Affairs Nationwide Bond #RLB0005239, Bureau of Land Management Nationwide Bond #WYB000291 and State of Utah Bond #RLB0005237.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.


Sheila Upchego

4/19/2007

Date

Kerr-McGee Oil & Gas Onshore LP

NBU #921-14P

SECTION 14, T9S, R21E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; TURN LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 6.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY, THEN EASTERLY DIRECTION APPROXIMATELY 5.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN LEFT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 3.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 1.6 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN LEFT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 1.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN LEFT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 0.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 1.2 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE SOUTHEAST; FOLLOW ROAD FLAGS IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 300' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 52.1 MILES.

Kerr-McGee Oil & Gas Onshore LP

NBU #921-14P

LOCATED IN UINTAH COUNTY, UTAH
SECTION 14, T9S, R21E, S.L.B.&M.



PHOTO: VIEW FROM CORNER #1 TO LOCATION STAKE

CAMERA ANGLE: SOUTHEASTERLY

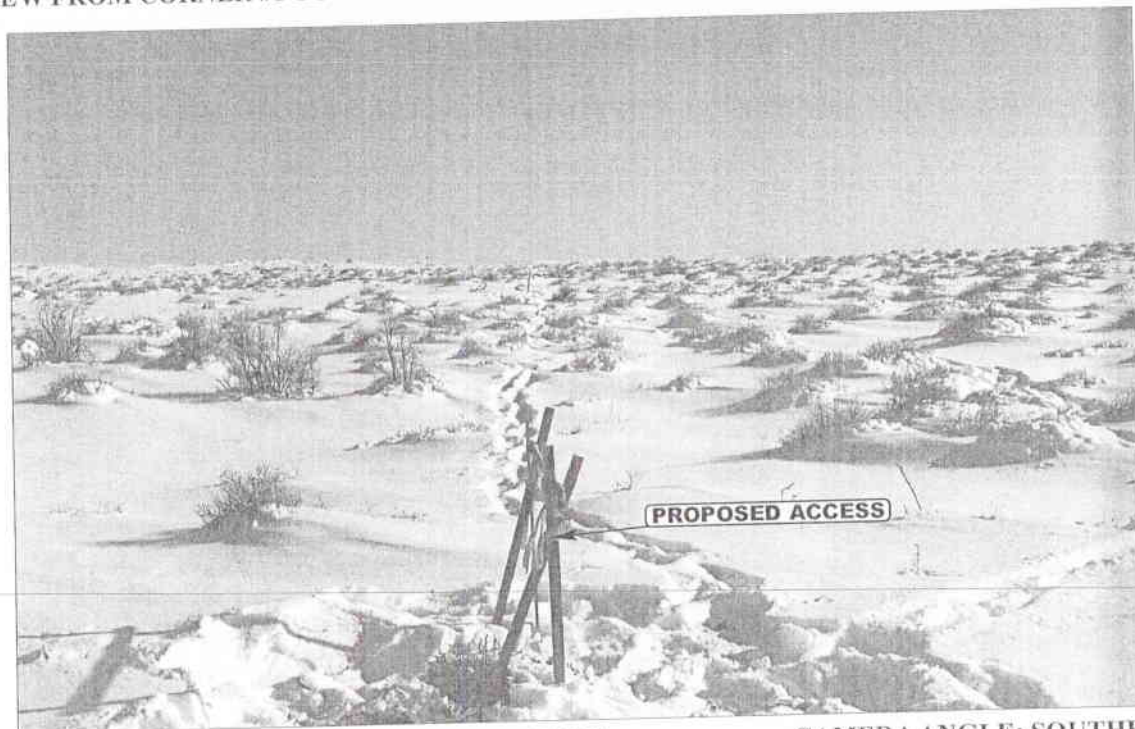


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: SOUTHEASTERLY



- Since 1964 -

UELS

Uintah Engineering & Land Surveying

85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS

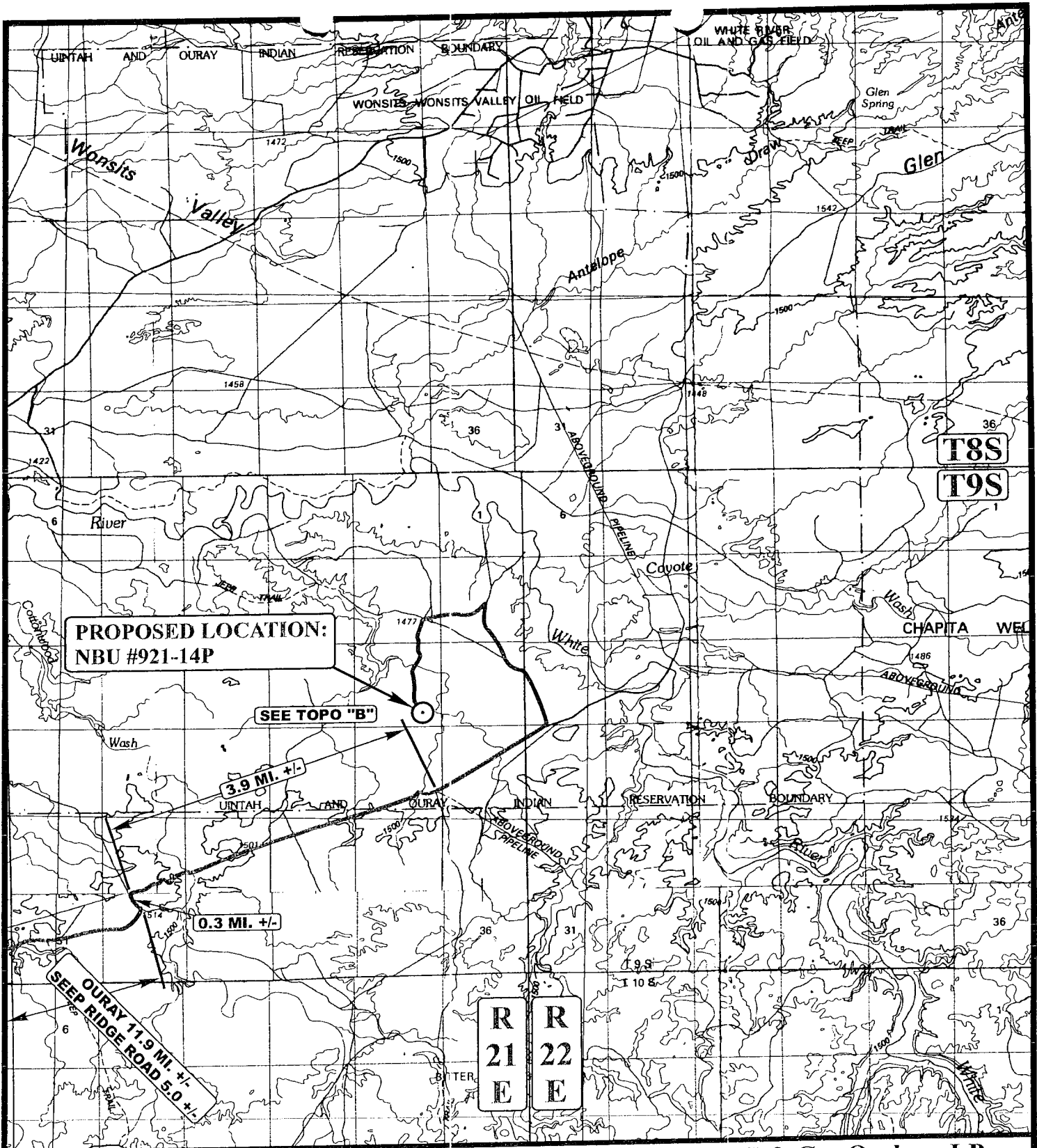
01 22 07
MONTH DAY YEAR

PHOTO

TAKEN BY: D.A.

DRAWN BY: C.P.

REVISED: 00-00-00



LEGEND:

○ PROPOSED LOCATION

Kerr-McGee Oil & Gas Onshore LP

NBU #921-14P

SECTION 14, T9S, R21E, S.L.B.&M.

878' FSL 1163' FEL



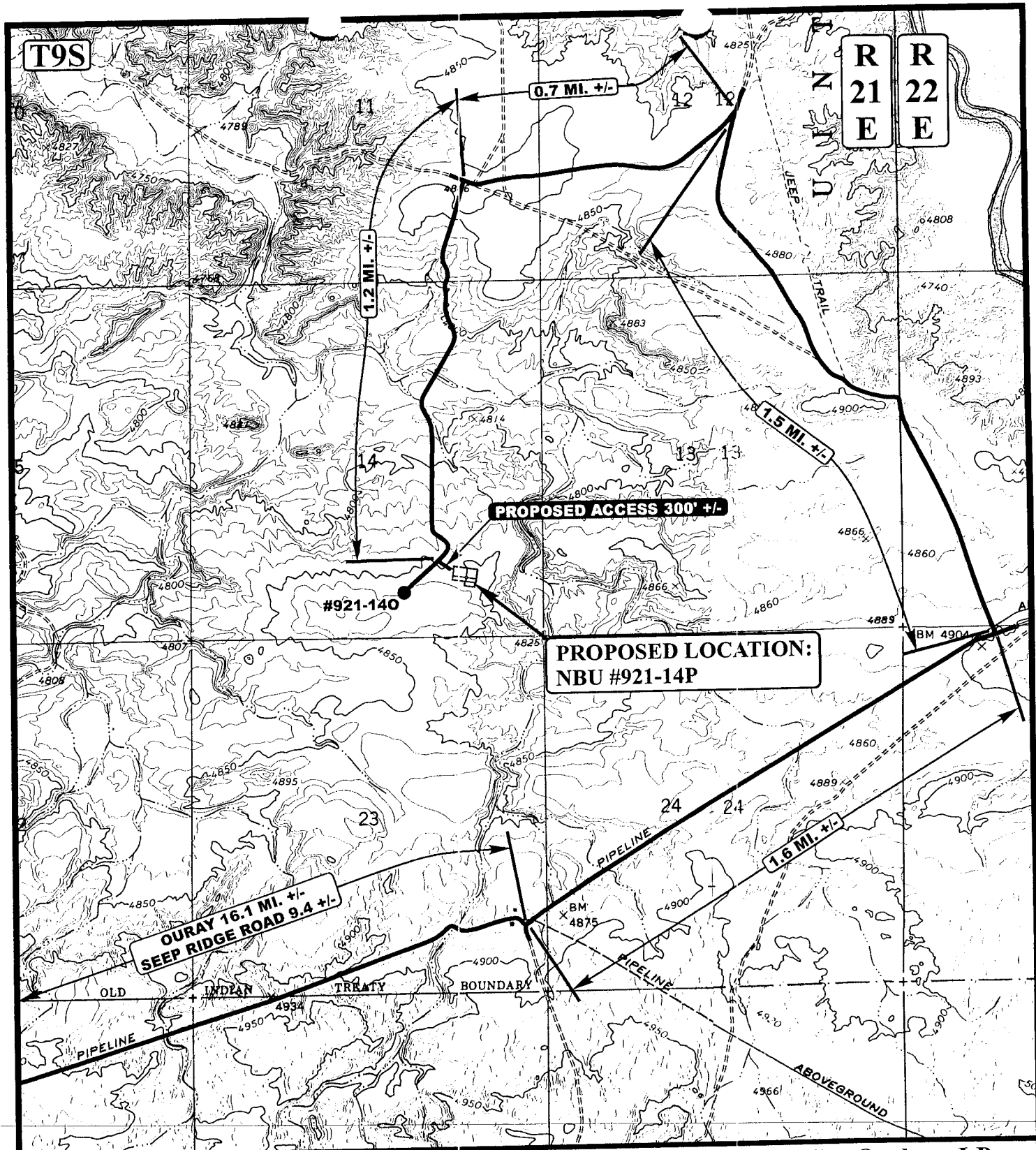
Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC
MAP

01 **22** **07**
 MONTH DAY YEAR

SCALE: 1:100,000 DRAWN BY: C.P. REVISED: 00-00-00





LEGEND:

————— EXISTING ROAD
 - - - - - PROPOSED ACCESS ROAD

Kerr-McGee Oil & Gas Onshore LP

NBU #921-14P

SECTION 14, T9S, R21E, S.L.B.&M.

878' FSL 1163' FEL



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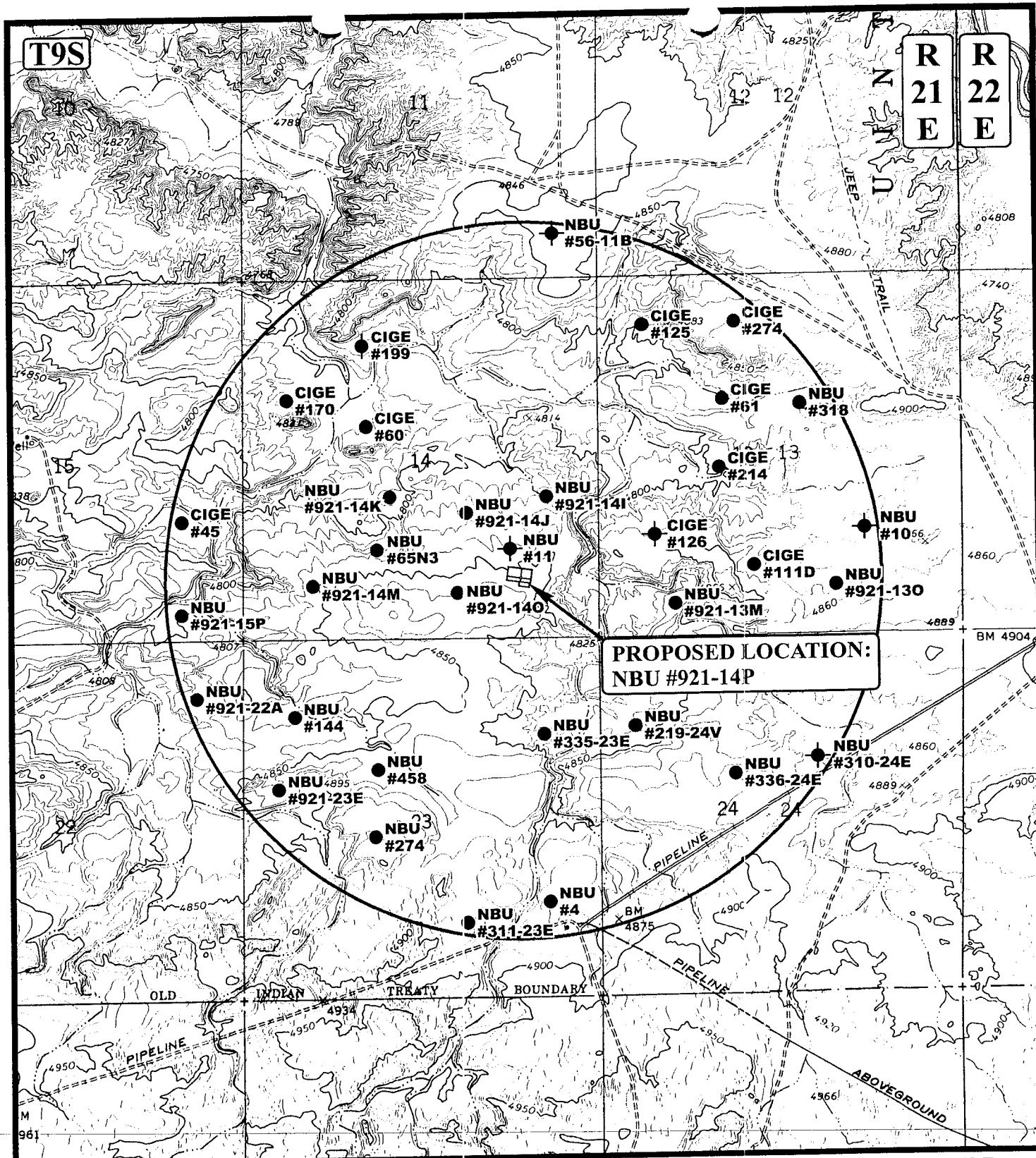


TOPOGRAPHIC
 MAP

01 22 07
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 00-00-00

B
 TOPO



LEGEND:

- DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED



Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

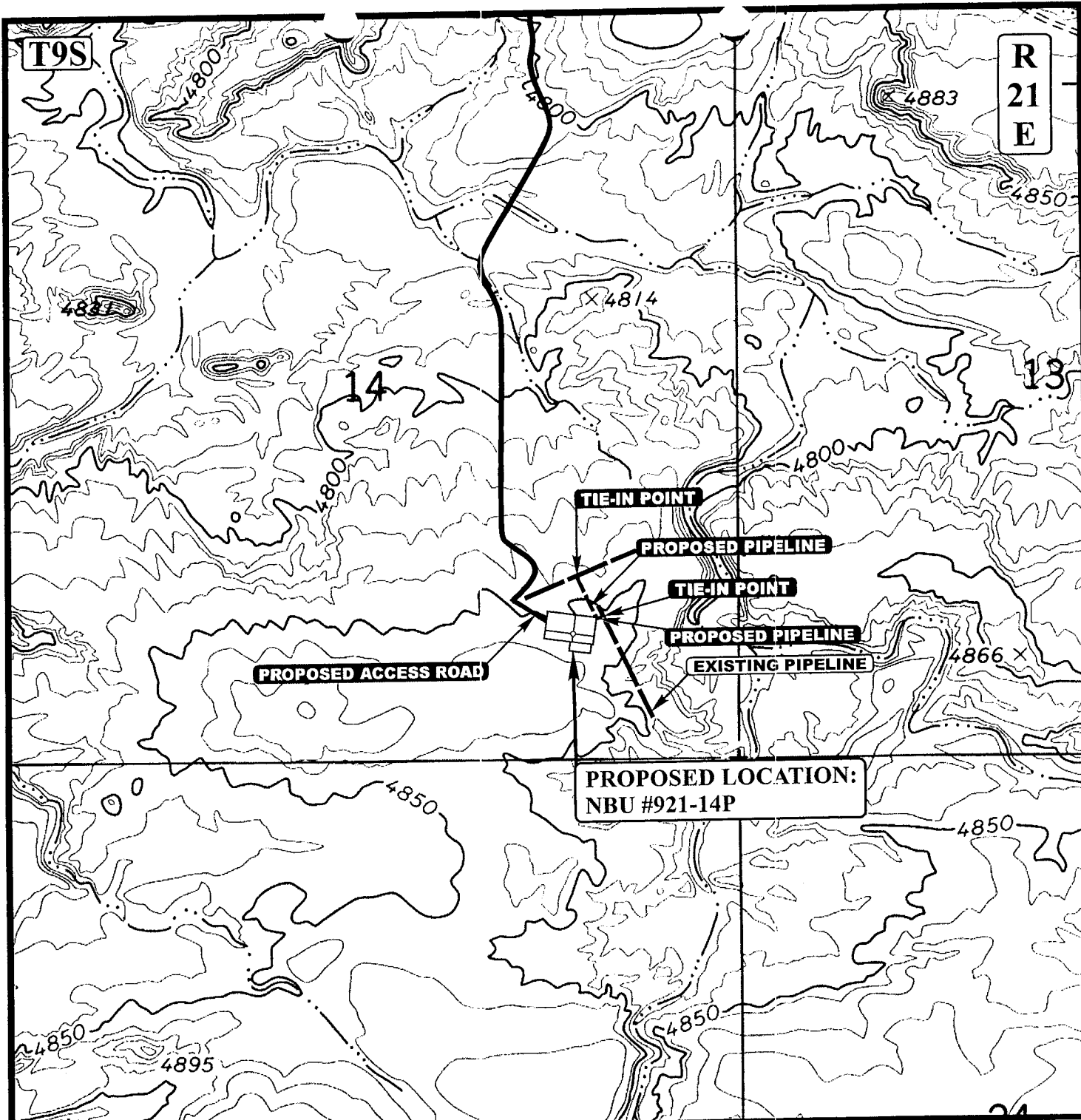


TOPOGRAPHIC
MAP

01 22 07
 MONTH DAY YEAR

SCALE: 1" = 2000' **DRAWN BY: C.P.** **REVISED: 00-00-00**





APPROXIMATE TOTAL LOW-PRESSURE PIPELINE DISTANCE = 330' +/-

APPROXIMATE TOTAL HIGH-PRESSURE PIPELINE DISTANCE = 3' +/-

LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- PROPOSED PIPELINE

N

Kerr-McGee Oil & Gas Onshore LP

NBU #921-14P

SECTION 14, T9S, R21E, S.L.B.&M.

878' FSL 1163' FEL



Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC
MAP

01 22 07
MONTH DAY YEAR

SCALE: 1" = 1000'

DRAWN BY: C.P.

REVISED: 00-00-00

D
TOPO

Kerr-McGee Oil & Gas Onshore LP

NBU #921-14P

PIPELINE ALIGNMENT

LOCATED IN UINTAH COUNTY, UTAH

SECTION 14, T9S, R21E, S.L.B.&M.

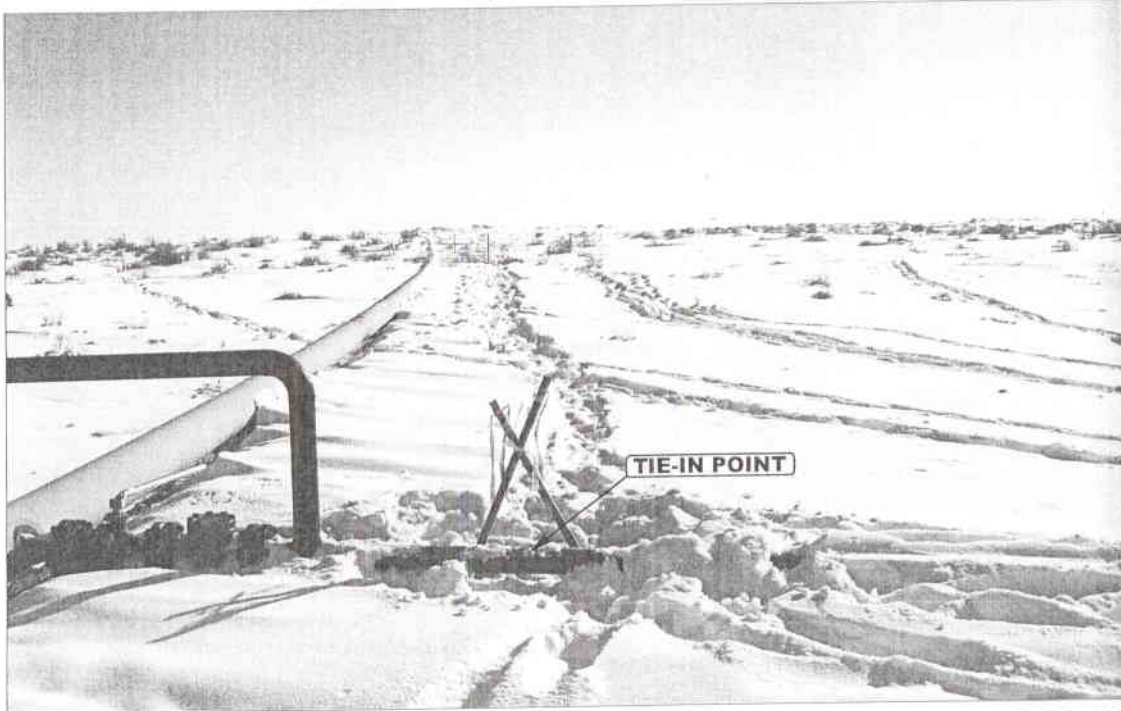


PHOTO: VIEW FROM TIE-IN POINT

CAMERA ANGLE: SOUTHERLY



PHOTO: VIEW OF PIPELINE ALIGNMENT

CAMERA ANGLE: SOUTHERLY



- Since 1964 -

UELS Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

PIPELINE PHOTOS

01 22 07
MONTH DAY YEAR

PHOTO

TAKEN BY: D.A.

DRAWN BY: C.P.

REVISED: 00-00-00

Harr-McGee Oil & Gas Onshore LP

FIGURE #1

LOCATION LAYOUT FOR

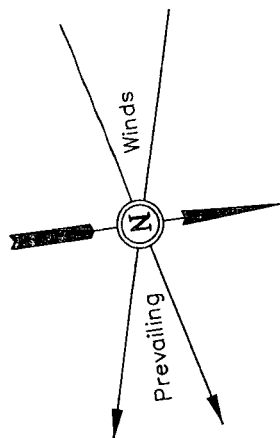
NBU #921-14P

SECTION 14, T9S, R21E, S.L.B.&M.

C-2.9' 878' FSL 1163' FEL
El. 53.1'

Proposed Access Road

F-4.9'
El. 45.3'

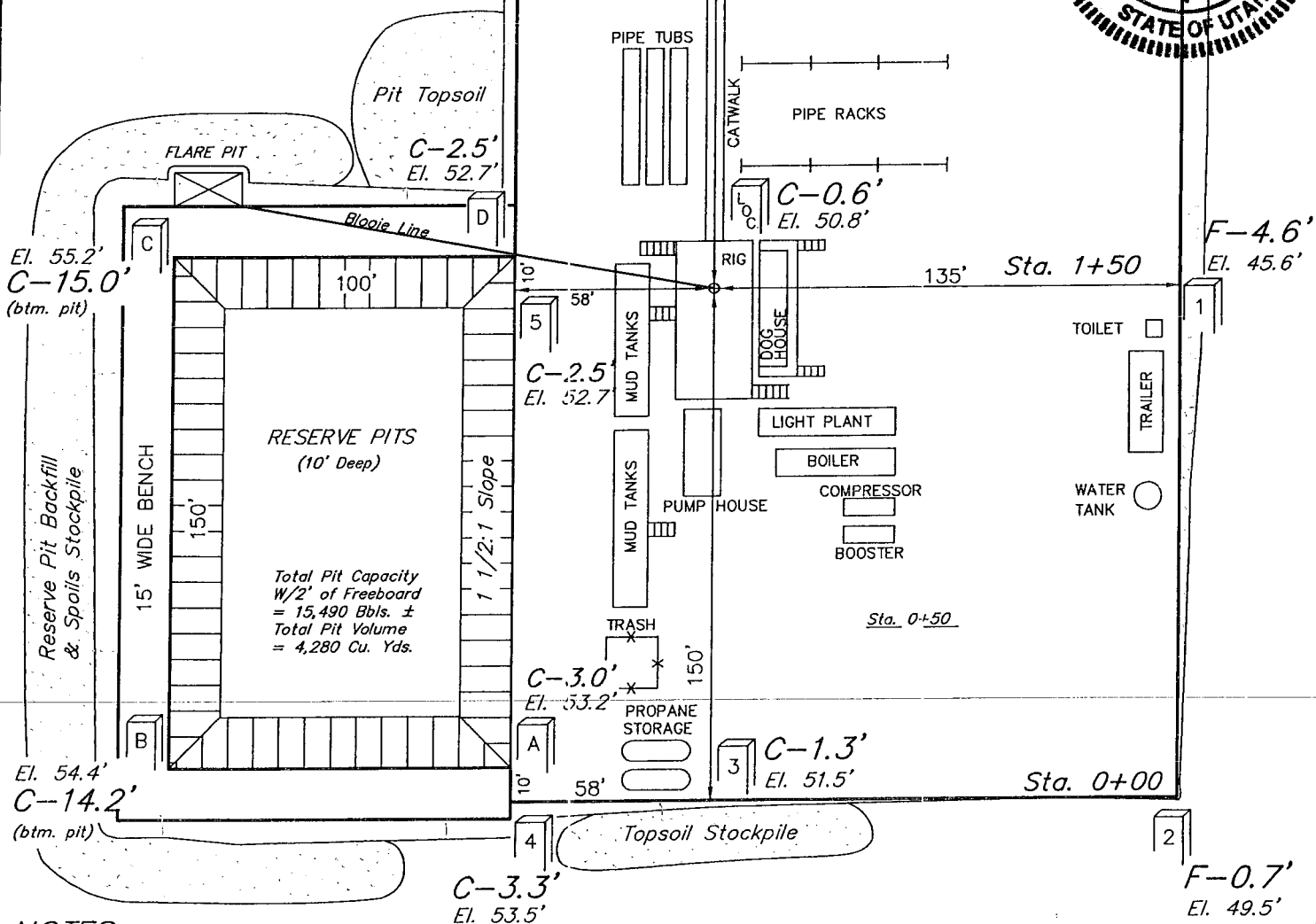
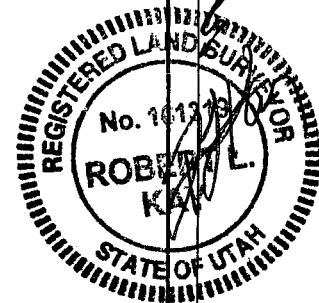


SCALE: 1" = 50'
DATE: 01-23-07
Drawn By: C.H.

NOTE:

Flare Pit is to be located a min. of 100' from the Well Head.

Approx. Top of Cut Slope



NOTES:

Elev. Ungraded Ground At Loc. Stake = 4850.8'
FINISHED GRADE ELEV. AT LOC. STAKE = 4850.2'

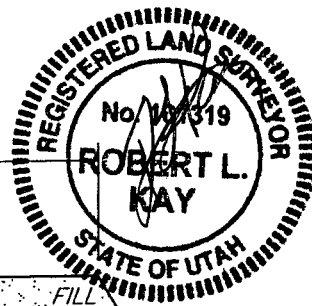
UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

TYPICAL CROSS SECTIONS FOR

NBU #921-14P

SECTION 14, T9S, R21E, S.L.B.&M.

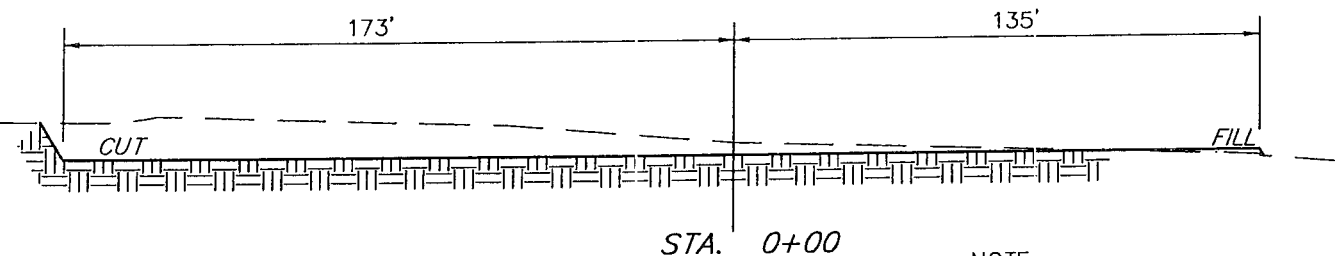
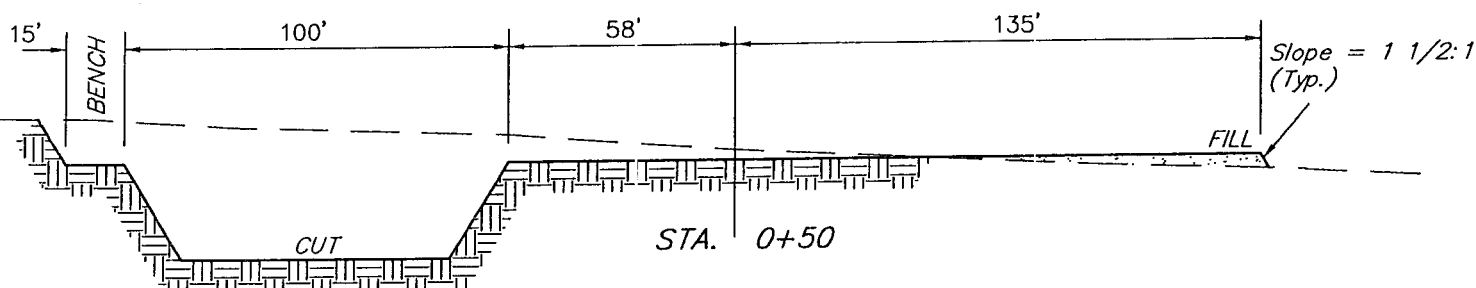
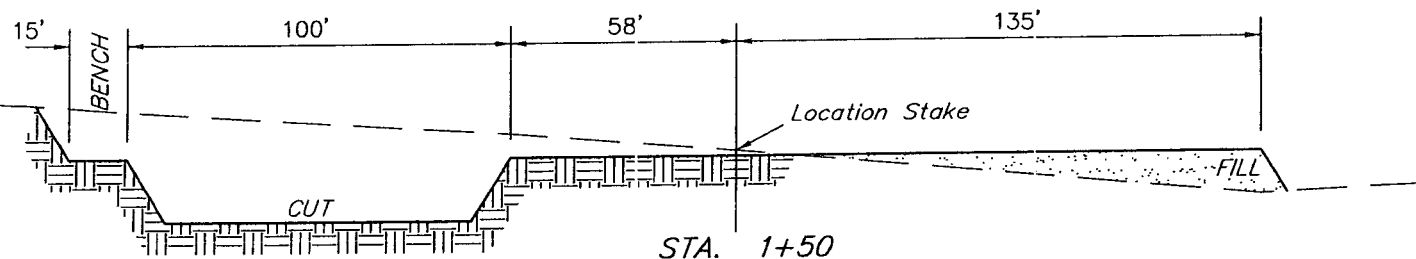
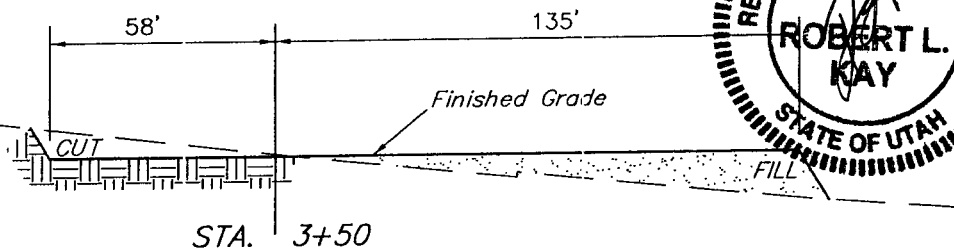
878' FSL 1163' FEL



1" = 20'
X-Section
Scale
1" = 50'

DATE: 01-23-07

Drawn By: C.H. Preconstruction
Grade



NOTE:

Topsoil should not be
Stripped Below Finished
Grade on Substructure Area.

* NOTE:
FILL QUANTITY INCLUDES
5% FOR COMPACTION

APPROXIMATE YARDAGES

CUT
(12") Topsoil Stripping = 3,590 Cu. Yds.
Remaining Location = 7,100 Cu. Yds.

TOTAL CUT = 10,690 CU.YDS.

FILL = 4,960 CU.YDS.

EXCESS MATERIAL = 5,730 Cu. Yds.

Topsoil & Pit Backfill = 5,730 Cu. Yds.
(1/2 Pit Vol.)

EXCESS UNBALANCE = 0 Cu. Yds.
(After Interim Rehabilitation)

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 04/23/2007

API NO. ASSIGNED: 43-047-39248

WELL NAME: NBU 921-14P

OPERATOR: KERR-MCGEE OIL & GAS (N2995)

PHONE NUMBER: 435-781-7024

CONTACT: SHEILA UPCHEGO

PROPOSED LOCATION:

SESE 14 090S 210E

SURFACE: 0878 FSL 1163 FEL

BOTTOM: 0878 FSL 1163 FEL

COUNTY: Uintah

LATITUDE: 40.03120 LONGITUDE: -109.5130

UTM SURF EASTINGS: 626876 NORTHINGS: 4432069

FIELD NAME: NATURAL BUTTES (630)

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-01193

SURFACE OWNER: 2 - Indian

PROPOSED FORMATION: WSMVD

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

☒ Plat
☒ Bond: Fed[1] Ind[] Sta[] Fee[]
(No. RLB0005239)
☒ Potash (Y/N)
☒ Oil Shale 190-5 (B) or 190-3 or 190-13
☒ Water Permit
(No. 43-8496)
☒ RDCC Review (Y/N)
(Date:)
☒ Fee Surf Agreement (Y/N)
☒ Intent to Commingle (Y/N)

LOCATION AND SITING:

___ R649-2-3.
Unit: NATURAL BUTTES
___ R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
___ R649-3-3. Exception
☒ Drilling Unit
Board Cause No: 173-14
Eff Date: 12-2-99
Siting: 460' fr wbdy of uncomm. tract
___ R649-3-11. Directional Drill

COMMENTS:

Sup. Separate file

STIPULATIONS:

*1- Federal Approval
2- Oil Shale*

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:

3160

(UT-922)

April 25, 2007

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2007 Plan of Development Natural Buttes Unit
Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2007 within the Natural Buttes Unit, Uintah County, Utah.

API#	WELL NAME	LOCATION
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(Proposed PZ Wasatch/MesaVerde)

43-047-39237	NBU 921-8B	Sec 08 T09S R21E 0528 FNL 2080 FEL
43-047-39238	NBU 921-8H	Sec 08 T09S R21E 1870 FNL 0837 FEL
43-047-39239	NBU 921-8P	Sec 08 T09S R21E 0533 FSL 0578 FEL
43-047-39240	NBU 921-9K	Sec 09 T09S R21E 2633 FSL 2383 FWL
43-047-39241	NBU 921-9C	Sec 09 T09S R21E 0896 FNL 1569 FWL
43-047-39254	NBU 921-16P	Sec 16 T09S R21E 0537 FSL 0610 FEL
43-047-39255	NBU 921-18D	Sec 18 T09S R21E 0550 FNL 0827 FWL
43-047-39256	NBU 921-21L	Sec 21 T09S R21E 1785 FSL 0797 FWL
43-047-39242	NBU 921-10H	Sec 10 T09S R21E 1472 FNL 1104 FEL
43-047-39243	NBU 921-13H	Sec 13 T09S R21E 2323 FNL 0531 FEL
43-047-39244	NBU 921-13E	Sec 13 T09S R21E 1818 FNL 0851 FWL
43-047-39245	NBU 921-13LT	Sec 13 T09S R21E 1465 FSL 0792 FWL
43-047-39246	NBU 921-14B	Sec 14 T09S R21E 0822 FNL 1764 FEL
43-047-39247	NBU 921-14D	Sec 14 T09S R21E 0465 FNL 0542 FWL
43-047-39248	NBU 921-14P	Sec 14 T09S R21E 0878 FSL 1163 FEL
43-047-39249	NBU 921-14A	Sec 14 T09S R21E 1239 FNL 0883 FEL
43-047-39250	NBU 921-14G	Sec 14 T09S R21E 2319 FNL 1996 FEL
43-047-39251	NBU 921-14H	Sec 14 T09S R21E 2088 FNL 0422 FEL
43-047-39252	NBU 921-15E	Sec 15 T09S R21E 2184 FNL 0636 FWL
43-047-39253	NBU 921-15L	Sec 15 T09S R21E 2015 FSL 0713 FWL

We have no objections to permitting the wells so long as the unit operator receives an exception to the locating and siting requirements of the State of Utah (R649-3-2).

/s/ Michael L. Coulthard

bcc: File - Natural Buttes Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:4-25-07



State of Utah

**Department of
Natural Resources**

MICHAEL R. STYLER
Executive Director

**Division of
Oil, Gas & Mining**

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

April 26, 2007

Kerr McGee Oil and Gas Onshore LP
1368 S 1200 E
Vernal, UT 84078

Re: Natural Buttes Unit 921-14P Well, 878' FSL, 1163' FEL, SE SE, Sec. 14,
T. 9 South, R. 21 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-39248.

Sincerely,

A handwritten signature in black ink, appearing to read "Gil Hunt".

Gil Hunt
Associate Director

pab
Enclosures

cc: Uintah County Assessor
Bureau of Land Management, Vernal Office

Operator: Kerr McGee Oil and Gas Onshore LP
Well Name & Number Natural Buttes Unit 921-14P
API Number: 43-047-39248
Lease: UTC-01193

Location: SE SE Sec. 14 T. 9 South R. 21 East

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division with 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dustin Doucet at (801) 538-5281 office
(801) 733-0983 home

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entry Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.

5. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
VERNAL FIELD OFFICE
2007 APR 20 AM 11:16

FORM APPROVED
OMB No. 1004-0136
Expires November 30, 2000

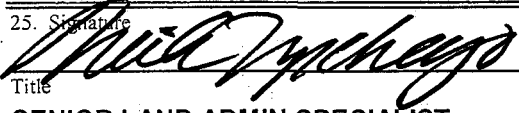
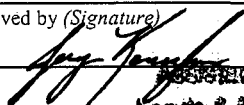
APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-01193
b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name TRIBAL SURFACE
2. Name of Operator KERR MCGEE OIL AND GAS ONSHORE LP		7. If Unit or CA Agreement, Name and No. UNIT #891008900A
3A. Address 1368 SOUTH 1200 EAST VERNAL, UT 84078	3b. Phone No. (include area code) (435) 781-7024	8. Lease Name and Well No. NBU 921-14P
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SE/SE 878'FSL, 1163'FEL At proposed prod. Zone		9. API Well No. 43 047 39248
14. Distance in miles and direction from nearest town or post office* 30.5 +/- MILES FROM OURAY, UTAH		10. Field and Pool, or Exploratory NATURAL BUTTES
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 878'	16. No. of Acres in lease 1920.00	11. Sec., T., R., M., or Blk. and Survey or Area SEC. 14, T9S, R21E
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. REFER TO TOPO C	19. Proposed Depth 9920'	12. County or Parish UINTAH
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 4851'GL	20. BLM/BIA Bond No. on file RLB0005239- WVB000291	13. State UTAH
22. Approximate date work will start* UPON APPROVAL		23. Estimated duration TO BE DETERMINED

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- | | |
|--|---|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification. |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office. | 6. Such other site specific information and/or plans as may be required by the authorized office. |

25. Signature 	Name (Printed/Typed) SHEILA UPCHEGO	Date 4/19/2007
Title SENIOR LAND ADMIN SPECIALIST		
Approved by (Signature) 	Name (Printed/Typed) Jerry Kenczka	Date 3-13-2008
Title Assistant Field Manager Lands & Mineral Resources		
Office VERNAL FIELD OFFICE		

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

NOTICE OF APPROVAL

UDOM

RECEIVED

MAR 18 2008

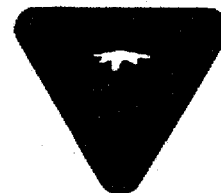
DIV. OF OIL, GAS & MINING

NO NOS
075XS 0266A



UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE

170 South 500 East VERNAL, UT 84078 (435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Kerr-McGee O&G Onshore, LP. Location: SESE, Sec 14, T9S, R21E
Well No: NBU 921-14P Lease No: UTU-01193
API No: 43-047-39248 Agreement Natural Buttes Unit

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	James Ashley	(435) 781-4470	(435) 828-7874
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
Supervisory NRS:	Karl Wright	(435) 781-4484	(435) 828-7381
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	
NRS/Enviro Scientist:	Chuck MacDonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Michael Cutler	(435) 781-3401	(435) 828-3546
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist:	Darren Williams	(435) 781-4447	
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545

Fax: (435) 781-4410

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Construction Activity	-	The Ute Tribe Energy & Minerals Dept. shall be notified in writing 48 hours in advance of any construction activity. The Ute Tribal office is open Monday through Thursday.
Construction Completion	-	Upon completion of the pertinent APD/ROW construction, notify the Ute Tribe Energy & Minerals Dept. for a Tribal Technician to verify the Affidavit of Completion.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

***SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)***

Surface COAs:

Additional Stipulations:

- None

General Conditions of Approval

- A 30' foot corridor right-of-way shall be approved. Upon completion of each pipeline in corridor, they shall be identified and filed with the Ute Tribe.
- A qualified Archaeologist accompanied by a Tribal Technician will monitor trenching construction of pipeline.
- The Ute Tribe Energy & Minerals Department is to be notified, in writing 48 hours prior to construction of pipeline.
- Construction Notice shall be given to the department on the Ute Tribe workdays, which are Monday through Thursday. The Company understands that they may be responsible for costs incurred by the Ute Tribe after hours.
- The Company shall inform contractors to maintain construction of pipelines within the approved ROW's.
- The Company shall assure the Ute Tribe that "ALL CONTRACTORS, INCLUDING SUB-CONTRACTORS, LEASING CONTRACTORS, AND ETC." have acquired a current and valid Ute Tribal Business License and have "Access Permits" prior to construction, and will have these permits in all vehicles at all times.
- You are hereby notified that working under the "umbrella" of a company does not allow you to be in the field, and can be subject to those fines of the Ute Tribe Severance Tax Ordinance.
- Any deviation of submitted APD's and ROW applications the Companies will notify the Ute Tribe and BIA in writing and will receive written authorization of any such change with appropriate authorization.
- The Company will implement "Safety and Emergency Plan." The Company's safety director will ensure its compliance.
- All Company employees and/or authorized personnel (sub-contractors) in the field will have approved applicable APD's and/or ROW permits/authorizations on their person(s) during all phases of construction.
- All vehicular traffic, personnel movement, construction/restoration operations shall be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.

- All personnel shall refrain from collecting artifacts, any paleontological fossils, and from disturbing any significant cultural resources in the area.
- The personnel from the Ute Tribe Energy & Minerals Department shall be notified should cultural remains from subsurface deposits be exposed or identified during construction. All construction will cease.
- All mitigative stipulations contained in the Bureau of Indian Affairs Site Specific Environmental Assessment (EA) will be strictly adhered.
- Upon completion of Application for Corridor Right-Way, the company will notify the Ute Tribe Energy & Minerals Department, so that a Tribal Technician can verify Affidavit of Completion.

DOWNHOLE CONDITIONS OF APPROVAL (COAs):

SITE SPECIFIC DOWNHOLE COAs:

- A surface casing shoe integrity test shall be performed.
- Production casing cement top shall be at a minimum of 200' above the surface casing shoe.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.

- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- Chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location (¼¼, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.

- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.
- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.

- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

5. Lease Serial No.

UTU-01193

6. If Indian, Allottee or Tribe Name

TRIBAL SURFACE

7. If Unit or CA/Agreement, Name and/or No.

UNIT #891008900A
NATURAL BUTTES UNIT

8. Well Name and No.

NBU 921-14P

9. API Well No.

4304739248

10. Field and Pool, or Exploratory Area

NATURAL BUTTES

11. County or Parish, State

UINTAH COUNTY, UTAH

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

KERR-McGEE OIL & GAS ONSHORE LP

3a. Address

1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7024

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SE/SE SEC. 14, T9S, R21E 878'FSL, 1163'FEL

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other DOGM APD
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	EXTENSION
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

THE OPERATOR REQUESTS AUTHORIZATION FOR AN ONE YEAR EXTENSION FOR THE SUBJECT WELL LOCATION, SO THE DRILLING OPERATIONS MAY BE COMPLETED.

THE ORIGINAL APD WAS APPROVED BY THE DIVISION OF OIL, GAS AND MINING DEPARTMENT ON APRIL 26, 2007.

COPY SENT TO OPERATOR

Date: 5.6.2008

Initials: KS

Date: 05-05-08

By: [Signature]

RECEIVED

MAY 02 2008

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

SHEILA UPCHEGO

Title

SENIOR LAND ADMIN SPECIALIST

Signature

Date

April 22, 2008

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)



**Application for Permit to Drill
Request for Permit Extension
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

API: 4304739248
Well Name: NBU 921-14P
Location: SE/SE SEC. 14, T9S, R21E
Company Permit Issued to: KERR McGEE OIL & GAS ONSHORE LP
Date Original Permit Issued: 4/26/2007

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes ☐ No ☒

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☒

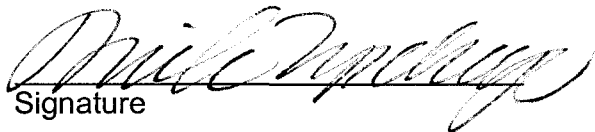
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes ☐ No ☒

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes ☐ No ☒

Has the approved source of water for drilling changed? Yes ☐ No ☒

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☒

Is bonding still in place, which covers this proposed well? Yes ☒ No ☐


Signature

4/22/2008

Date

Title: SENOIR LAND ADMIN SPECIALIST

Representing: KERR-McGEE OIL & GAS ONSHORE LP

RECEIVED

MAY 02 2008

DIV. OF OIL, GAS & MINING

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: KERR-McGEE OIL & GAS ONSHORE, LP

Well Name: NBU 921-14P

Api No: 43-047-39248 Lease Type: FEDERAL

Section 14 Township 09S Range 21E County UINTAH

Drilling Contractor PETE MARTIN DRLG RIG # BUCKET

SPUDDED:

Date 06/16/08

Time 8:00 AM

How DRY

Drilling will Commence: _____

Reported by LEW WELDON

Telephone # (435) 828-7035

Date 06/16//08 Signed CHD

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: KERR McGEE OIL & GAS ONSHORE LP Operator Account Number: N 2995
Address: 1368 SOUTH 1200 EAST
city VERNAL
state UT zip 84078 Phone Number: (435) 781-7024

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304739248	NBU 921-14P		SESE	14	9S	21E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
<u>B</u>	99999	<u>2900</u>	6/16/2008			<u>6/19/08</u>	
Comments: MIRU PETE MARTIN BUCKET RIG. <u>WSTMVD</u> SPUD WELL LOCATION ON 06/16/2008 AT 0800 HRS. <u>—</u>							

Well 2

R

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304738218	BONANZA 1023-8G		SWNE	8	10S	23E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
<u>A</u>	99999	<u>16903</u>	6/14/2008			<u>6/19/08</u>	
Comments: MIRU PETE MARTIN BUCKET RIG. <u>WSTMVD</u> SPUD WELL LOCATION ON 06/14/2008 AT 1100 HRS. <u>—</u>							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
Comments:							

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

SHEILA UPCHEGO

Name (Please Print)

Signature

SENIOR LAND SPECIALIST

Title

6/19/2008

Date

RECEIVED

JUN 16 2008

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE – Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

KERR-McGEE OIL & GAS ONSHORE LP

3a. Address

1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7024

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SE/SE SEC. 14, T9S, R21E 878'FSL, 1163'FEL

5. Lease Serial No.

UTU-01193

6. If Indian, Allottee or Tribe Name

TRIBAL SURFACE

7. If Unit or CA/Agreement, Name and/or No.

UNIT #891008900A

NATURAL BUTTES UNIT

8. Well Name and No.

NBU 921-14P

9. API Well No.

4304739248

10. Field and Pool, or Exploratory Area

NATURAL BUTTES

11. County or Parish, State

UINTAH COUNTY, UTAH

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other WELL SPUD
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

MIRU PETE MARTIN BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 14" 36.7# SCHEDULE 10 PIPE. CMT W/28 SX READY MIX.

SPUD WELL LOCATION ON 06/16/2008 AT 0800 HRS.

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

SHEILA UPCHEGO

Title

SENIOR LAND ADMIN SPECIALIST

Signature

Date

June 16, 2008

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

RECEIVED

JUN 18 2008

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS
*Do not use this form for proposals to drill or reenter an
abandoned well. Use Form 3160-3 (APD) for such proposals.*

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

KERR-McGEE OIL & GAS ONSHORE LP

3a. Address

1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7024

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SE/SE SEC. 14, T9S, R21E 878'FSL, 1163'FEL

5. Lease Serial No.

UTU-01193

6. If Indian, Allottee or Tribe Name

TRIBAL SURFACE

7. If Unit or CA/Agreement, Name and/or No.

UNIT #891008900A

NATURAL BUTTES UNIT

8. Well Name and No.

NBU 921-14P

9. API Well No.

4304739248

10. Field and Pool, or Exploratory Area

NATURAL BUTTES

11. County or Parish, State

UINTAH COUNTY, UTAH

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other SET SURFACE
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	CSG
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

MIRU PROPETRO AIR RIG ON 06/18/2008. DRILLED 12 1/4" SURFACE HOLE TO 2850'. RAN 9 5/8" 36# J-55 SURFACE CSG. LEAD CMT W/260 SX HIFILL CLASS G @11.0 PPG 3.82 YIELD. TAILED CMT W/ 200 SX PREM CLASS G @15.8 PPG 1.15 YIELD. GOOD RETURNS THROUGH JOB 34 +/- BBLS LEAD CMT TO PIT. RAN 200' OF 1" PIPE. CMT W/125 SX PREM CLASS G @15.8 PPG 1.15 YIELD DOWN 1" PIPE. GOOD CMT TO SURFACE AND FELL BACK. TOP OUT W/75 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN 1" PIPE. GOOD CMT TO SURFACE HOLE STAYED FULL. WORT

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

SHEILA UPCHEGO

Title

SENIOR LAND ADMIN SPECIALIST

Signature

Date

June 24, 2008

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

RECEIVED

JUN 26 2008

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE – Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

KERR-McGEE OIL & GAS ONSHORE LP

3a. Address

1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7024

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SE/SE SEC. 14, T9S, R21E 878'FSL, 1163'FEL

5. Lease Serial No.

UTU-01193

6. If Indian, Allottee or Tribe Name

TRIBAL SURFACE

7. If Unit or CA/Agreement, Name and/or No.

UNIT #891008900A

NATURAL BUTTES UNIT

8. Well Name and No.

NBU 921-14P

9. API Well No.

4304739248

10. Field and Pool, or Exploratory Area

NATURAL BUTTES

11. County or Parish, State

UINTAH COUNTY, UTAH

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other FINAL DRILLING OPERATIONS
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

FINISHED DRILLING FROM 2850' TO 9805' ON 07/11/2008. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. LEAD CMT W/480 SX PREM LITE II @11.2 PPG 3.00 YIELD. TAILED CMT W/1230 SX 50/50 POZ @ 14.3 PPG 1.31 YIELD. DISPLACE W/152 BBLS H2O + ADDITIVES PLUG DOWN W/ NO CMT TO PIT. FLOATS HELD W/1.5 BBLS LOST RETURNS W/100 BBLS DISPLACEMENT AWAY GOOD RETURNS PRIOR TO LOSSES GOOD LIFT PRESSURE DURING ENTIRE JOB. WASH BOP & MANDREL BOWL LAND MANDREL W/96K BEFORE & 80K ON MANDREL. NIPPLE DOWN CLEAN PITS.
RELEASED ENSIGN RIG 12 ON 07/13/2008 AT 0230 HRS.

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

SHELLA UPCHEGO

Title

SENIOR LAND ADMIN SPECIALIST

Signature

Date

July 14, 2008

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

RECEIVED

JUL 17 2008

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

KERR-McGEE OIL & GAS ONSHORE LP

3a. Address

1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7024

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SE/SE SEC. 14, T9S, R21E 878'FSL, 1163'FEL

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

5. Lease Serial No.

UTU-01193

6. If Indian, Allottee or Tribe Name

TRIBAL SURFACE

7. If Unit or CA/Agreement, Name and/or No.

UNIT #891008900A

NATURAL BUTTES UNIT

8. Well Name and No.

NBU 921-14P

9. API Well No.

4304739248

10. Field and Pool, or Exploratory Area

NATURAL BUTTES

11. County or Parish, State

UINTAH COUNTY, UTAH

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other PRODUCTION
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	START-UP
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

THE SUBJECT WELL LOCATION WAS PLACED ON PRODUCTION ON 08/18/2008 AT 9:30 AM.

PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

SHILA UPCHEGO

Title

REGULATORY ANALYST

Signature

Date

August 18, 2008

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

RECEIVED

AUG 20 2008

DIV OF OIL, GAS & MINING

Wins No.: 94949

NBU 921-14P

Well Operations Summary Long

Operator KERR MCGEE OIL & GAS ONSHORE LP	FIELD NAME NATURAL BUTTES	SPUD DATE 06/16/2008	GL 4,851	KB 4865	ROUTE
API 4304739248	STATE UTAH	COUNTY UINTAH	DIVISION ROCKIES		
Long/Lat: 40.03120 / -109.51372	Q-Q/Sect/Town/Range: SESE / 14 / 9S / 21E		Footages: 878.00' FSL 1,163.00' FEL		

Wellbore: NBU 921-14P

MTD 9,805	TVD 9,795	PBMD	PBTVD
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EVENT INFORMATION:	EVENT ACTIVITY: DRILLING	START DATE: 6/16/2008	AFE NO.: 2007711
	OBJECTIVE: DEVELOPMENT	END DATE: 7/13/2008	
	OBJECTIVE 2: VERTICAL WELL	DATE WELL STARTED PROD.:	
	REASON: SURF FACILITIES	Event End Status: SUSPENDED	

RIG OPERATIONS:	Begin Mobilization	Rig On Location	Rig Charges	Rig Operation Start	Finish Drilling	Rig Release	Rig Off Location
PETE MARTIN DRILLING / UI	06/16/2008	06/16/2008	06/16/2008	06/16/2008	06/16/2008	06/16/2008	06/16/2008

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode	P/U	Operation	MD:
6/16/2008	SUPERVISOR: LEW WELDON							54
	8:00 - 15:00	7.00	DRLCON	02		P	MOVE IN AND RIG UP BUCKET RIG SPUD WELL @ 0800 HR 6/16/08 DRILL AND SET 40' OF SCHEDULE 10 PIPE DRILL RODENT HOLES FOR RIG 12 BLM AND STATE NOTIFIED OF SPUD	
6/18/2008	SUPERVISOR: LEW WELDON							780
	10:30 - 0:00	13.50	DRLSUR	02		P	MOVE IN AND RIG UP AIR RIG SPUD WELL @ 1030 HR 6/18/08 DRILL AHEAD AT REPORT TIME 780'	
6/19/2008	SUPERVISOR: LEW WELDON							1,620
	0:00 - 12:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD NO WATER 1350'	
	12:00 - 0:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD NO WATER 1620'	
6/20/2008	SUPERVISOR: LEW WELDON							2,070
	0:00 - 12:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD NO WATER 1860'	
	12:00 - 0:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD NO WATER 2070'	
6/21/2008	SUPERVISOR: LEW WELDON							2,730
	0:00 - 12:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD NO WATER 2350'	
	12:00 - 0:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD NO WATER 2730'	
6/22/2008	SUPERVISOR: LEW WELDON							2,850
	0:00 - 10:00	10.00	DRLSUR	02		P	RIG T/D @ 2850' CONDITION HOLE 1 HR	

Wins No.: 94949		NBU 921-14P				API No.: 4304739248	
	10:00 - 14:00	4.00	DRLSUR	05	P	TRIP DP OUT OF HOLE	
	14:00 - 18:30	4.50	DRLSUR	11	P	RUN 2814' OF 9 5/8 CSG AND 200' OF 1" PIPE RIG DOWN AIR RIG	
	18:30 - 20:00	1.50	DRLSUR	15	P	CEMENT 1ST STAGE WITH 260 SKS LEAD @ 11# 3.82 23 GAL/SK AND 200 SKS TAIL @ 15.8# 1.15 5.0 GAL/SK GOOD RETURNS THRUOUT JOB + - 34 BBL LEAD CMT TO PIT	
	20:00 - 20:30	0.50	DRLSUR	15	P	1ST TOP JOB 125 SKS DOWN 1" PIPE GOOD CMT TO SURFACE AND FELL BACK WOC	
	20:30 - 21:30	1.00	DRLSUR	15	P	2ND TOP JOB 75 SKS DOWN BS GOOD CMT TO SURFACE AND STAYED AT SURFACE	
	21:30 - 21:30	0.00	DRLSUR			NO VISIBLE LEAKS PIT 3/4 FULL	
7/1/2008	SUPERVISOR: BRUCE TAYLOR						MD: 2,850
	0:00 - 0:00	24.00	RDMO	01	E	P	RIG DOWN AND PREPARE TO MOVE TO THE NBU 921-14P FROM THE NBU 1021-2L. CHANGE OUT DRILL LINE.
7/2/2008	SUPERVISOR: KENNETH GATHINGS						MD: 2,850
	0:00 - 6:00	6.00	RDMO	01	E	P	RIG DOWN EQUIPMENT TO MOVE
	6:00 - 18:00	12.00	RDMO	01	A	P	MOVE EQUIPMENT TO LOCATION (3 LOADS LEFT ON OLD LOCATION)
	18:00 - 0:00	6.00	RDMO	01	B	P	RIG UP EQUIPMENT - RAISE DERRICK
7/3/2008	SUPERVISOR: KENNETH GATHINGS						MD: 2,850
	0:00 - 10:00	10.00	MIRU	01	B	P	RIG UP EQUIPMENT / MAKE UP KELLY & RELATED EQUIPMENT
	10:00 - 14:00	4.00	MIRU	13	A	P	NIPPLE UP BOP EQUIPMENT / HOOK UP GAS BUSTER / LAY FLARE LINES
	14:00 - 19:00	5.00	PRPSPD	13	C	P	PRESSURE TEST BLIND & PIPE RAMS, UPPER & LOWER KELLY VALVES; SAFETY VALVE & DART VALVE; KILL LINE & KILL LINE VALVES; CHOKE LINE & CHOKE LINE VALVES; INNER & OUTER CHOKE MANIFOLD VALVES TO 250 PIS @ 5 MIN & 5000 PSI @ 10 MINS / TEST ANNULAR TO 250 PSI @ 5 MIN & 2500 PSI @ 10 MIN / TEST SURFACE CASING TO 1500 PSI @ 30 MINS / FUNCTION TEST CLOSING UNIT
	19:00 - 0:00	5.00	PRPSPD	05	A	P	SAFETY MEETING / M.I.R.U. PICK UP EQUIPMENT / PICK UP B.H.A. + DRILL PIPE TO TAG @ 2736
7/4/2008	SUPERVISOR: KENNETH GATHINGS						MD: 4,250
	0:00 - 1:00	1.00	PRPSPD	05	A	P	PICK UP B.H.A. + DRILL PIPE TO TAG / R.D.M.O. PICK UP EQUIPMENT

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API No.: 4304739248

0:00 - 1:00	1.00	PRPSPD	05	A	P	PICK UP B.H.A. + DRILL PIPE TO TAG / R.D.M.O. PICK UP EQUIPMENT
1:00 - 1:30	0.50	PRPSPD	06	A	P	SERVICE RIG & EQUIPMENT
1:30 - 3:30	2.00	PRPSPD	02	F	P	DRILL CEMENT & FLOAT EQUIPMENT
3:30 - 5:00	1.50	DRLPRO	02	B	P	DRILL F/ 2850' - T/ 2956' (106' @ 70.6 fph) 26 VIS / 8.4 ppg
5:00 - 5:30	0.50	DRLPRO	09	A	P	WIRELINE SURVEY @ 2911' - 1.58 deg
5:30 - 12:30	7.00	DRLPRO	02	B	P	DRILL F/ 2956' - T/ 3498' (542' @ 77.42 fph) 33 vis / 8.4 ppg
12:30 - 13:00	0.50	DRLPRO	09	A	P	WIRELINE SURVEY @ 3414' - 2.67 deg
13:00 - 16:30	3.50	DRLPRO	02	B	P	DRILL F/ 3498' - T/ 3714' (216' @ 61.71 fph) 38 vis / 8.7 ppg
16:30 - 17:00	0.50	DRLPRO	06	A	P	SERVICE RIG & EQUIPMENT
17:00 - 20:00	3.00	DRLPRO	02	B	P	DRILL F/ 3714' - T/ 3967' (253' @ 84.3 fph) 39 vis / 8.8 ppg
20:00 - 20:30	0.50	DRLPRO	09	A	P	WIRELINE SURVEY @ 3922' - 2.87 deg
20:30 - 23:30	3.00	DRLPRO	02	B	P	DRILL F/ 3967' - T/ 4250' (283' @ 94.33 fph) 41 vis / 8.9 ppg
23:30 - 0:00	0.50	DRLPRO	06	A	P	SERVICE RIG & EQUIPMENT

7/5/2008

SUPERVISOR: KENNETH GATHINGS

MD: 5,915

0:00 - 9:30	9.50	DRLPRO	02	B	P	DRILL F/ 4250' - T/ 4972' (722' @ 76.0 fph) 39 vis / 9.1 ppg
9:30 - 10:00	0.50	DRLPRO	09	A	P	WIRELINE SURVEY @ 4895' - 2.55 deg
10:00 - 13:00	3.00	DRLPRO	02	B	P	DRILL F/ 4972' - T/ 5193' (221' @ 73.66 fph) 40 vis / 9.1 ppg
13:00 - 13:30	0.50	DRLPRO	06	A	P	SERVICE RIG & EQUIPMENT
13:30 - 23:30	10.00	DRLPRO	02	B	P	DRILL F/ 5193' - T/ 5915' (722' @ 72.2 fph) 43 vis / 9.4 ppg
23:30 - 0:00	0.50	DRLPRO	06	A	P	SERVICE RIG & EQUIPMENT

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7/6/2008	SUPERVISOR: KENNETH GATHINGS					MD: 7,029	
0:00 - 11:30	11.50	DRLPRO	02	B	P	DRILL F/ 5915' - T/ 6513' (598' @ 52 fph) 44 vis / 9.6 ppg	
11:30 - 12:00	0.50	DRLPRO	09	A	P	WIRELINE SURVEY @ 6436' - 3.11 deg	
12:00 - 15:30	3.50	DRLPRO	02	B	P	DRILL F/ 6513' - T/ 6731' (218' @ 62.28 fph) 44 vis / 9.6 ppg	
15:30 - 16:00	0.50	DRLPRO	06	A	P	SERVICE RIG & EQUIPMENT	
16:00 - 0:00	8.00	DRLPRO	02	B	P	DRILL F/ 6731' - T/ 7029' (298' @ 37.25 fph) 43 vis / 9.6 ppg	
7/7/2008	SUPERVISOR: KENNETH GATHINGS					MD: 7,786	
0:00 - 0:30	0.50	DRLPRO	02	B	P	DRILL F/ 7029' - T/ 7045' (16' @ 32 fph) 41 vis / 9.6 ppg	
0:30 - 1:00	0.50	DRLPRO	06	A	P	SERVICE RIG & EQUIPMENT	
1:00 - 14:30	13.50	DRLPRO	02	B	P	DRILL F/ 7045' - T/ 7548' (503' @ 37.25 fph) 42 vis / 10.2 ppg	
14:30 - 15:00	0.50	DRLPRO	06	A	P	SERVICE RIG & EQUIPMENT	
15:00 - 0:00	9.00	DRLPRO	02	B	P	DRILL F/ 7548' - T/ 7799' (251' @ 27.88 fph) 47 vis / 10.2 ppg	
7/8/2008	SUPERVISOR: KENNETH GATHINGS					MD: 8,151	
0:00 - 0:30	0.50	DRLPRO	06	A	P	SERVICE RIG & EQUIPMENT	
0:30 - 6:30	6.00	DRLPRO	02	B	P	DRILL F/ 7786' - T/ 7957' (171' @ 28.5 fph) 46 vis / 10.2 ppg	
6:30 - 7:30	1.00	DRLPRO	04	C	P	CIRCULATE & CONDITION HOLE FOR BIT TRIP	
7:30 - 13:30	6.00	DRLPRO	05	A	P	PUMP PILL / DROP SURVEY / P.O.O.H. W/ BIT #1 / LAY DOWN MOTOR / WORK THROUGH TIGHT HOLE F/ 5106 - T/ 4885 (JARS USED)	
13:30 - 14:00	0.50	DRLPRO	06	A	P	SERVICE RIG & EQUIPMENT	
14:00 - 18:00	4.00	DRLPRO	05	A	P	PICK UP MOTOR #2 / MAKE UP BIT #2 / T.I.H. / BREAK CIRCULATION AT SELECTED INTERVALS / NO TIGHT HOLE ON TRIP IN	
18:00 - 19:00	1.00	DRLPRO	03	D	P	FILL DRILL PIPE / PRECAUTIONARY WASH & REAM 110' TO BOTTOM / 15' OF FILL	

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	19:00 - 0:00	5.00	DRLPRO	02	B		DRILL F/ 7957' - T/ 8151' (194' @ 38.8 fph) 45 vis / 10.4 ppg
7/9/2008	SUPERVISOR: KENNETH GATHINGS						MD: 9,013
	0:00 - 16:00	16.00	DRLPRO	02	B	P	DRILL F/ 8151' - T/ 8769' (610' @ 38.12 fph) 44 vis / 10.8 ppg
	16:00 - 16:30	0.50	DRLPRO	06	A	P	SERVICE RIG & EQUIPMENT
	16:30 - 0:00	7.50	DRLPRO	02	B	P	DRILL F/ 8769' - T/ 9013' (244' @ 32.53 fph) 43 vis / 11.1 ppg
7/10/2008	SUPERVISOR: KENNETH GATHINGS						MD: 9,645
	0:00 - 2:30	2.50	DRLPRO	02	B	P	DRILL F/ 9013' - T/ 9106 (93' @ 37.2 fph) 43 vis - 11.1 ppg
	2:30 - 3:30	1.00	DRLPRO	07	B	Z	WORK ON BOTH PUMPS (VALVES & SEATS)
	3:30 - 14:00	10.50	DRLPRO	02	B	P	DRILL F/ 9106' - T/ 9429' (323' @ 30.76 fph) 44 vis / 11.1 ppg
	14:00 - 14:30	0.50	DRLPRO	06	A	P	SERVICE RIG & EQUIPMENT
	14:30 - 0:00	9.50	DRLPRO	02	B	P	DRILL F/ 9429' - T/ 9645' (216' @ 22.73 fph) 48 vis / 11.2 ppg
7/11/2008	SUPERVISOR: KENNETH GATHINGS						MD: 9,805
	0:00 - 9:00	9.00	DRLPRO	02	B	P	DRILL F/ 9645' - T/ 9805' (160' @ 17.7 fph) 48 vis / 11.2 ppg
	9:00 - 10:00	1.00	DRLPRO	04	C	P	CIRCULATE BOTTOMS UP / MIX WEIGHT PILL
	10:00 - 12:00	2.00	DRLPRO	05	E	P	PUMP WEIGHT PILL / SHORT TRIP 20 STANDS W/ NO PROBLEMS
	12:00 - 14:00	2.00	DRLPRO	04	C	P	CIRCULATE & CONDITION HOLE FOR L.D.D.P. & LOGS / 15' FLARE
	14:00 - 22:30	8.50	DRLPRO	05	B	P	PUMP SLUG / DROP SURVEY / L.D.D.P. / BREAK KELLY / L.D.B.H.A.
	22:30 - 23:00	0.50	DRLPRO	13	B	P	PULL WEAR BUSHING
	23:00 - 0:00	1.00	DRLPRO	08	A	P	SAFETY MEETING / M.I.R.U. HALLIBURTON EQUIPMENT
7/12/2008	SUPERVISOR: KENNETH GATHINGS						MD: 9,805
	0:00 - 5:00	5.00	DRLPRO	08	A	P	LOG WELL F/ 9792' - T/ 2819' (STICKY ON BOTTOM)

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5:00 - 16:00	11.00	DRLPRO	11	B	P	SAFETY MEETING / M.I.R.U. CASING EQUIPMENT / RUN 232 JOINTS OF 4.5 - #11.6 I-80 LT&C CASING + RELATED EQUIPMENT - SET @ 9800'	
16:00 - 16:30	0.50	DRLPRO	04	E	P	FILL CASING & CLEN OUT 15' FILL TO BOTTOM	
16:30 - 17:00	0.50	DRLPRO	13	B	P	INSTALL MANDREL & ROTATING HEAD	
17:00 - 18:30	1.50	DRLPRO	04	E	P	CIRCULATE & CONDITION HOLE FOR CEMENT / R.D.M.O. CASING EQUIPMENT	
18:30 - 19:00	0.50	DRLPRO	04	E	P	CIRCULATE / SAFETY MEETING / M.I.R.U. CEMENT EQUIPMENT	
19:00 - 21:30	2.50	DRLPRO	15	A	P	TEST PUMPS & LINES TO 5000 PSI / CEMENT W/ 10 BBLS H2O + 20 BBLS MUD CLEAN + 10 BBLS H2O + 20 sx SCAVENGER @ 9.5 ppg (PREM LITE II + ADDITIVES) + 480 sx LEAD @ 11.2 ppg (PREM LITE II + ADDITIVES) + 1230 sx TAIL @ 14.3 ppg (50/50 POZ + ADDITIVES) + DISPLACED W/ 152 BBLS H2O + ADDITIVES / PLUG DOWN @ 2130 HRS W/ NO CEMENT TO PIT / FLOATS HELD W/ 1.5 BBLS RETURNED TO TRUCK / LOST RETURNS W/ 100 BBLS DISPLACEMENT AWAY / GOOD RETURNS PRIOR TO LOSSES / GOOD LIFT PRESSURE DURING ENTIRE JOB.	
21:30 - 22:30	1.00	DRLPRO	13	B	P	WASH BOP & MANDREL BOWL / LAND MANDREL W/ 96K BEFORE & 80K ON MANDREL	
22:30 - 0:00	1.50	DRLPRO	13	A	P	NIPPLE DOWN / CLEAN PITS + RELATED EQUIPMENT	
7/13/2008		<u>SUPERVISOR:</u> KENNETH GATHINGS				<u>MD:</u> 9,805	
0:00 - 2:30	2.50	DRLPRO	13	A	P	NIPPLE DOWN / CLEAN PITS + RELATED EQUIPMENT / RIG RELEASED @ 0230 HOURS	
EVENT INFORMATION:		EVENT ACTIVITY: COMPLETION		START DATE: 7/19/2008		AFE NO.: 2007711	
		OBJECTIVE: CONSTRUCTION		END DATE: 7/21/2008			
		OBJECTIVE 2: ORIGINAL		DATE WELL STARTED PROD.:			
		REASON: SURF FACILITIES		Event End Status: COMPLETE			
RIG OPERATIONS:		Begin Mobilization	Rig On Location	Rig Charges	Rig Operation Start	Finish Drilling	Rig Release Rig Off Location
Date	Time Start-End	Duration (hr)	Phase	Code	Subcode	P/U	Operation
7/19/2008		<u>SUPERVISOR:</u> HAL BLANCHARD					
		<u>MD:</u>					

Wins No.: 94949		NBU 921-14P		API No.: 4304739248	
EVENT INFORMATION:		EVENT ACTIVITY: COMPLETION		START DATE: 8/11/2008	
		OBJECTIVE: DEVELOPMENT		END DATE: 8/14/2008	
		OBJECTIVE 2: ORIGINAL		DATE WELL STARTED PROD.:	
		REASON: MV		Event End Status: COMPLETE	
RIG OPERATIONS:		Begin Mobilization	Rig On Location	Rig Charges	Rig Operation Start
					Finish Drilling
					Rig Release
					Rig Off Location
GWS 1 / 1		08/11/2008			
		08/14/2008			
Date	Time Start-End	Duration (hr)	Phase	Code	Subcode
					P/U
Operation					
8/11/2008	<u>SUPERVISOR:</u> DAVID DANIELS				
	7:00 - 7:30	0.50	COMP	48	P HSM
	7:30 - 16:30	9.00	COMP	37	P MIRU RIG, SPOT EQUIP. ND WH, NUBOP, PREP & TALLY 314 JTS 2 3/8 L-80 TBG. PU 3 7/8 MILL + BIT SUB, RIH W/ 284 JTS 2 3/8, EOT @ 8700'. X-OVER POOH S.B. 284 JTS. SWI, SDFN.
<u>MD:</u>					
8/12/2008	<u>SUPERVISOR:</u> DAVID DANIELS				
	7:00 - 7:30	0.50	COMP	48	P HSM
	7:30 - 15:00	7.50	COMP	37	P MIRU B & C QUICK TEST & CUTTERS W.L.. PSI TEST CSG & BOTH FRAC VALVES T/ 7500# GOOD. BLEED OFF PSI. RDMO B & C. PU 3 3/8 EXP GUN, 23GM, 90 DEG PHASING. RIH PREF 9658'-60', 4 SPF, 8 HOLES. 9598'-02', 4 SPF, 16 HOLES. 9591'-92', 4 SPF, 4 HOLES. 9526'-27', 4 SPF, 4 HOLES. 9504'-06', 4 SPF, 8 HOLES. POOH. SB LUBE, SWI, SDFN. PREP T/ FRAC IN THE :AM.
<u>MD:</u>					
8/13/2008	<u>SUPERVISOR:</u> DAVID DANIELS				
	7:00 - 7:30	0.50	COMP	48	P HSM
	7:30 - 18:00	10.50	COMP	36	B P OPEN WELL 350#. STG 1) BRK 3610# @ 4.7 BPM. PUMP 60,050# OF 30/50 SAND, TAIL IN W/ 5000# 20/40 TLC. ISIP 2854#, FG .74. X-OVER FOR W.L.
STG 2) PU4 1/2, 8K, BAKER CBP & 3 3/8 EXP GUN, 90 DEG PHASING. RIH SET CBP @ 9434', PU PREF 9406'-08', 4 SPF, 8 HOLES. 9358'-61', 4 SPF, 12 HOLES. 9320'-22, 4 SPF, 8 HOLES. 9282'-84', 4 SPF, 8 HOLES. 9212'-15', 4 SPF, 12 HOLES. POOH, X-OVER T/ FRAC CREW. OPEN WELL 600#. BRK 3364# @ 3 BPM. PUMP 170,098# OF 30/50, TAIL IN W/ 5000# 20/40 TLC. ISIP 2922#, FG .75. X-OVER FOR W.L.					
STG 3) PU 4 1/2, 8K, BAKER CBP & 3 3/8 EXP GUN, 90 DEG PHASING. RIH SET DOWN @ 8113' POOH. OPEN WELL T/ PIT FLOW BACK 20 MIN. SWI, TURN OVER T/ FRAC CREW. REFLUSH W/ 143.1 BBLs. PU CBP & PREF GUN RIH SET CBP @ 9150', PERF 9116'-20', 4 SPF, 16 HOLES. 9076'-78', 4 SPF, 8 HOLES. 9052'-54', 4 SPF, 8 HOLES. 9028'-30', 4 SPF, 8 HOLES. 8996'-98', 4 SPF, 8 HOLES. POOH. X-OVER T/ FRAC CREW. OPEN WELL 2400#. BRK 2992# @ 3.5 BPM. ISIP 2528#, FG .72. PUMP 124,943# 30/50 SAND, TAIL IN W/ 5000# 30/50 TLC. ISIP 2799#, FG .75. X-OVER T/ W.L.					
STG 4) PU 4 1/2, 8K, BAKER CBP & 3 3/8 EXP GUN. 23 GM, 90 DEG PHASING, RIH SET CBP @ 8927' , PU PREF 8902'-04', 4 SPF, 8 HOLES. 8862'-64', 4 SPF, 8 HOLES. 8794'-97', 4 SPF, 12 HOLES. 8767'-70', 4 SPF, 12 HOLES. POOH. X-OVER FOR FRAC CREW. OPEN WELL 380# BRK 6444# @ 5.9 BPM. SD, ISIP 2604#, FG .73. PUMP 121,889# 30/50 SAND, TAIL IN W/ 5000# 30/50 TLC. SD, ISIP 2941#, FG .77. X-OVER FOR W.L. PU 4 1/2, 8K, CBP. RIH SET CBP @ 8730'. POOH. RDMO WEATHERFORD FRAC SERV, & CUTTERS W.L. SWI, SDFN.					

Wins No.: 94949

NBU 921-14P

API No.: 4304739248

MD:

8/14/2008

SUPERVISOR: DAVID DANIELS

7:00 - 7:30 0.50 COMP 48
7:30 - 10:47 3.28 COMP 44 C

P HSM

OPEN WELL 0 PSI.
ND FRAC V. NUBOP, RU TBG EQUIP. PU 3 7/8 BIT+
X-DART+POBS+XN-NIPPLE 1.875. RIH W/ TBG, TAG FILL @
8720'= 30' FILL. RU DRL EQUIP, BRK CONV CIRC.

CBP 1) TAG FILL @ 8720'= 10'. DRL OUT CBP @ 8730' IN 8 MIN,
1400# INCR. CONT RIH.

CBP 2) TAG FILL @ 8907'=20' FILL. DRL OUT CBP @ 8927', 400#
INCR, 8 MIN. CONT RIH.

CBP 3) TAG FILL @ 9100'=50' FILL. DRL OUT CBP @ 9150' IN 8
MIN, 300# INCR. CONT RIH.

CBP 4) TAG FILL @ 9409'=25' FILL. DRL OUT CBP @ 9434' IN 10
MIN, 400# INCR. CONT RIH.

PBTD) TAG FILL @ 9660' C/O 110' OF FILL T/ PBTD @ 9770'
CIRC WELL W/ 40 BBLS 2% KCL. RD DRL EQUIP. POOH LD
EXCESS TBG. PU 4 1/16 TBG HNGR & LAND TBG W/

KB	14.00
HNGR	.83
289 JTS L-80 2 3/8	9153.88
XN-NIPPLE	2.20

EOT 9170.91

ND BOP, NU WH, DROP BALL, PUMP BIT OFF W/ 20 BBLS 2%
KCL. DIDN'T SEE IT GO. SWI FOR 30 MIN. OPEN WELL T/ PIT
FTP 50#, SICP 2050#. TURN WELL OVER T/ FLOW BACK CREW.
RACK OUT RIG EQUIP, RD RIG SDFN.

AZTEC PIPE 314 JTS.
USED IN WELL 289 JTS.
SENT BACK 25 JTS.

8/15/2008

SUPERVISOR: DAVID DANIELS

7:00 -

33 A

MD:

7 AM FLBK REPORT: CP 1650#, TP 1625#, 20/64" CK, 41 BWPH,
MEDIUM SAND, - GAS
TTL BBLS RECOVERED: 678
BBLS LEFT TO RECOVER: 11432

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED
OMB NO. 1004-0137
Expires: November 30, 2000

5. Lease Serial No.

UTU-01193

1a. Type of Well ☐ Oil Well ☒ Gas ☐ Dry Other
b. Type of Completion: ☒ New ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other _____

2. Name of Operator

KERR-MCGEE OIL & GAS ONSHORE LP

3. Address

1368 SOUTH 1200 EAST, VERNAL, UTAH 84078

3a. Phone No. (include area code)

(435) 781-7024

4. Location of Well (Report locations clearly and in accordance with Federal requirements)*

At surface

SE/SE 878'FSL, 1163'FEL

At top prod. interval reported below

At total depth

14. Date Spudded

06/16/08

15. Date T.D. Reached

07/11/08

16. Date Completed

☐ D & A ☒ Ready to Prod.
08/18/08

6. If Indian, Allottee or Tribe Name

TRIBAL SURFACE

7. Unit or CA Agreement Name and No.

UNIT #891008900A

8. Lease Name and Well No.

NBU 921-14P

9. API Well No.

4304739248

10. Field and Pool, or Exploratory

NATURAL BUTTES

11. Sec., T., R., M., or Block and
Survey or Area SEC. 14, T9S, R21E

12. County or Parish

UINTAH

13. State

UTAH

17. Elevations (DF, RKB, RT, GL)*

4851'GL

18. Total Depth: MD 9805'
TVD19. Plug Back T.D.: MD 9770'
TVD20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

CBL-CCL-GR, SD, DSN, ACTR

22. Was well cored? ☒ No ☐ Yes (Submit copy)
Was DST run? ☒ No ☐ Yes (Submit copy)
Directional Survey? ☒ No ☐ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20"	14"	36.7#		40'		28 SX			
12 1/4"	9 5/8"	36#		2850'		660 SX			
7 7/8"	4 1/2"	11.6#		9805'		1710 SX			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Set (MD)
2 3/8"	9171'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) MESAVERDE	8767'	9660'	8767'-9660'	0.36	176	OPEN
B) WSMVD						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and type of Material
8767'-9660'	PMP 12,110 BBLS SLICK H2O & 491,980# 30/50 SD

RECEIVED

SEP 11 2008

28. Production - Interval A

DIV. OF OIL, GAS & MINING

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
08/18/08	08/22/08	24	→	0	1,491	588			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg. 1461#	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Well Status	
16/64	SI	2406#	→	0	1491	588			PRODUCING GAS WELL

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Well Status	
			→						

(See instructions and spaces for additional data on reverse side)

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

29. Disposition of Gas (*Sold, used for fuel, vented, etc.*)

SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
GREEN RIVER MAHOGANY WASATCH MESAVERDE	1672' 2480' 4999' 7775'	7764' 9769'			

32. Additional remarks (include plugging procedure):

33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 5. Core Analysis | 7. Other: | |

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) SHEILA UPCHEGOTitle REGULATORY ANALYSTSignature Date 09/08/08

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS
**Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.**

5. Lease Serial No.
UTU-01193

6. If Indian, Allottee or Tribe Name

TRIBAL SURFACE

SUBMIT IN TRIPLICATE – Other instructions on page 2.

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
KERR McGEE OIL & GAS ONSHORE LP

3a. Address
1368 SOUTH 1200 EAST VERNAL, UTAH 84078

3b. Phone No. (include area code)
435.781.7024

7. If Unit of CA/Agreement, Name and/or No.
UNIT #891008900A

8. Well Name and No.
NBU 921-14P

9. API Well No.
4304739248

10. Field and Pool or Exploratory Area
NATURAL BUTTES

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SE/SE SEC. 14, T9S, R21E 878'FSL, 1163'FEL

11. Country or Parish, State
UINTAH COUNTY, UTAH

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

THE OPERATOR REQUESTS AUTHORIZATION TO RECOMPLETE THE SUBJECT WELL LOCATION. THE OPERATOR PROPOSES TO COMPLETE THE WASATCH AND MESAVERDE FORMATIONS. THE OPERATOR WILL COMMINGLE THE NEWLY WASATCH AND MESAVERDE FORMATION, ALONG WITH THE EXISTING MESAVERDE FORMATIONS.

PLEASE REFER TO THE ATTACHED RECOMPLETION PROCEDURE.

COPY SENT TO OPERATOR

Date: 2.24.2009
Initials: KS

14. I hereby certify that the foregoing is true and correct.
Name (Printed/Typed)

SHEILA UPCHEGO

Title REGULATORY ANALYST

Signature

Date 02/02/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title Pet. Eng.

Date 2/17/09

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office DOG m

Federal Approval Of This
Action Is Necessary

RECEIVED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

FEB 14 2009

(Instructions on page 2)

*cause 173-14

DIV. OF OIL, GAS & MINING

Name: NBU 921-14P
Location: SE SE Sec. 14 9S 21E
Uintah County, UT
Date: 01/22/09

ELEVATIONS: 4851 GL 4865 KB

TOTAL DEPTH: 9805 **PBTD:** 9779
SURFACE CASING: 9 5/8", 36# J-55 ST&C @ 2832'
PRODUCTION CASING: 4 1/2", 11.6#, I-80 LT&C @ 9800'
Marker Joint 4998-5013'

TUBULAR PROPERTIES:

	BURST (psi)	COLLAPSE (psi)	DRIFT DIA. (in.)	CAPACITIES	
				(bbl/ft)	(gal/ft)
2 3/8" 4.7# J-55 tbg	7,700	8,100	1.901"	0.00387	0.1624
4 1/2" 11.6# I-80 (See above)	7780	6350	3.875"	0.0155	0.6528
2 3/8" by 4 1/2" Annulus				0.0101	0.4227

TOPS:

1672' Green River
2000' Birdsnest
2480' Mahogany
4982' Wasatch
7771' Mesaverde
Estimated T.O.C. from CBL @2900

GENERAL:

- A minimum of **20** tanks (cleaned lined 500 bbl) of recycled water will be required. Note: Use biocide in tanks and the water needs to be at least 45°F at pump time.
- All perforation depths are from Halliburtons Induction-Density-Neutron log dated 7/11/08
- **8** fracturing stages required for coverage.
- Procedure calls for 9 CBP's (**8000** psi).
- Calculate open perforations after each breakdown. If less than 60% of the perforations appear to be open, ball out with 15% HCl.
- Put scale inhibitor 3 gals/1000 gals (in pad and 1/2 the ramp) and 10 gals/1000 gals in all flushes except the final stage. Remember to pre-load the casing with scale inhibitor for the very first stage with 10 gpt.
- 30/50 mesh Ottawa sand, **Slickwater frac.**
- Maximum surface pressure **6200** psi.
- Flush volumes are the sum of slick water and acid used during displacement (include scale inhibitor as mentioned above). **DO NOT OVERDISPLACE.** Stage acid and scale inhibitor if necessary to cover the next perforated interval.
- Service companies need to provide surface/production annulus pop-offs to be set for 1500 psi for each frac.

- Pump **resin coated sand** last 5,000# of all frac stages
- Tubing Currently Landed @~9170
- Originally completed on 08/13/08

Existing Perforations:

Zone	From	To	SPF	# of Shots
Mesaverde	8767	8770	4	12
Mesaverde	8794	8797	4	12
Mesaverde	8862	8864	4	8
Mesaverde	8902	8904	4	8
Mesaverde	8996	8998	4	8
Mesaverde	9028	9030	4	8
Mesaverde	9052	9054	4	8
Mesaverde	9076	9078	4	8
Mesaverde	9116	9120	4	16
Mesaverde	9212	9215	4	12
Mesaverde	9282	9284	4	8
Mesaverde	9320	9322	4	8
Mesaverde	9358	9361	4	12
Mesaverde	9406	9408	4	8
Mesaverde	9504	9506	4	8
Mesaverde	9526	9527	4	4
Mesaverde	9591	9592	4	4
Mesaverde	9598	9602	4	16
Mesaverde	9658	9660	4	8

PROCEDURE:

1. MIRU. Control well with recycled water and biocide as required. ND WH, NU BOP's and test.
2. ITOOH with 2-3/8", 4.7#, N-80 tubing (currently landed at ~9170'). Visually inspect for scale and consider replacing if needed.
3. If tbg looks ok consider running a gauge ring to 8746 (50' below proposed CBP). Otherwise P/U a mill and C/O to 8746 (50' below proposed CBP).
4. Set 8000 psi CBP at ~ 8696'. Pressure test BOP and casing to 6000 psi. .
5. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
MESAVERDE	8574	8576	4	8
MESAVERDE	8604	8606	4	8

MESAVERDE 8646	8648	4	8
MESAVERDE 8662	8666	4	16

6. Breakdown perfs and establish injection rate (include scale inhibitor in fluid). Spot 250 gals of 15% HCL and let soak 5-10 min. Fracture as outlined in Stage 1 on attached listing. Under-displace to ~8554' and trickle 250gal 15%HCL w/ scale inhibitor in flush . Tight spacing between stages 1 & 2.

7. Set 8000 psi CBP at ~8542'. Perf the following 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
MESAVERDE	8270	8272	4	8
MESAVERDE	8338	8340	4	8
MESAVERDE	8386	8388	4	8
MESAVERDE	8454	8458	3	12
MESAVERDE	8510	8512	4	8

8. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 2 on attached listing. Under-displace to ~8220' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

9. Set 8000 psi CBP at ~8172'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
MESAVERDE	7986	7990	4	16
MESAVERDE	8027	8030	4	12
MESAVERDE	8140	8142	4	8

10. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 3 on attached listing. Under-displace to ~7936' trickle 250gal 15%HCL w/ scale inhibitor in flush.

11. Set 8000 psi CBP at ~7898'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	7720	7722	4	8
MESAVERDE	7800	7804	4	16
MESAVERDE	7834	7838	3	12
MESAVERDE	7866	7868	3	6

12. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 4 on attached listing. Under-displace to ~7670' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

13. Set 8000 psi CBP at ~6930'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	6784	6788	4	16
WASATCH	6894	6900	4	24

14. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 5 on attached listing. Under-displace to ~6734' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

15. Set 8000 psi CBP at ~6456'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
------	------	----	-----	------------

WASATCH	6344	6350	4	24
WASATCH	6422	6426	4	16

16. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 6 on attached listing. Under-displace to ~6294' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

17. Set 8000 psi CBP at ~5882'. Perf the following 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	5812	5818	4	24
WASATCH	5848	5852	4	16

18. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 7 on attached listing. Under-displace to ~5762' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

19. Set 8000 psi CBP at ~5112'. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
WASATCH	5072	5082	4	40

20. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 8 on attached listing. Under-displace to ~5022' and flush only with recycled water.

21. Set 8000 psi CBP at~5022'.

22. TIH with 3 7/8" mill, pump-off sub, SN and tubing.

23. Mill plugs and clean out to PBTD. Land tubing at ±9170' and pump off bit unless indicated otherwise by the well's behavior. This well will be commingled at this time.

24. RDMO

25. Clean out well with foam and/or swabbing unit until steady flow has been established from recomplete.

For design questions, please call
Sarah Schaftenaar, Denver, CO
(303)-895-5883 (Cell)
(720)-929-6605 (Office)

For field implementation questions, please call
Robert Miller, Vernal, UT
4350781 7041 (Office)

NOTES:

Fracturing Schedule
NBU 821-14P
Slickwater Frac

Stage	Zone	Feet				Rate	Field	Initial	Final	Field	Volume	Cum Vol	Volume	Cum Vol	Field % of frac	Sand % of frac	Sand	Cum. Sand	Footage from CBP to Flush	Scale Inhib., gal
		Perfs	Top, ft.	Bot. ft.	SPF															
1	MESAVERDE	0	8574	8576	4	8	Varied	Pump-in test		Slickwater		0	0	0						
	MESAVERDE	16	8604	8606	4	8	0	ISP and 5 min ISP												56
	MESAVERDE	8	8646	8648	4	8	50	Slickwater Pad		Slickwater	6,840	6,840	163	163	15.0%	0.0%	0	0		21
	MESAVERDE	12	8662	8666	4	16	50	Slickwater Ramp	0.25	1	12,920	19,760	308	470	26.3%	17.2%	8,075	8,075		19
	MESAVERDE	14		No perfs			50	SW Surfact	0	0	0	19,760	0	470	0.0%	0.0%	0	8,075		0
	MESAVERDE	1		No perfs			50	Slickwater Ramp	1	15	12,920	32,680	308	778	26.3%	34.6%	16,150	24,225		19
	MESAVERDE	7		No perfs			50	SW Surfact	0	0	0	32,680	0	778	0.0%	0.0%	0	24,225		0
	MESAVERDE	0		No perfs			50	Slickwater Ramp	0.5	15	0	32,680	0	778	0.0%	0.0%	0	24,225		0
	MESAVERDE	0		No perfs			50	Slickwater Ramp	1.5	2	12,920	45,600	308	1,686	26.3%	48.3%	22,610	46,835		0
	MESAVERDE	0		No perfs			50	Flush (4-1/2")		5,584	51,184	133	1,219				46,835		56	
	MESAVERDE	0		No perfs				ISP and 5 min ISP			51,184									170
		59		# of Perforations	40	24.4	cc Above pump line (min)								Flush depth	8654	gal%	900	622	12
																	CBP depth	8,542		
2	MESAVERDE	3	8270	8272	4	8	Varied	Pump-in test		Slickwater		0	0	0						
	MESAVERDE	10	8306	8340	4	8	0	ISP and 5 min ISP												24
	MESAVERDE	10	8366	8368	4	8	50	Slickwater Pad		Slickwater	7,880	7,880	193	193	15.0%	0.0%	0	0		23
	MESAVERDE	3	8454	8458	3	12	50	Slickwater Ramp	0.25	1	15,073	23,053	359	549	26.3%	17.2%	9,421	9,421		0
	MESAVERDE	1	8510	8512	4	8	50	SW Surfact	0	0	0	23,053	0	549	0.0%	0.0%	0	9,421		0
	MESAVERDE	6		No perfs			50	Slickwater Ramp	1	15	15,073	38,127	359	908	26.3%	34.6%	18,842	28,263		22
	MESAVERDE	1		No perfs			50	SW Surfact	0	0	0	38,127	0	908	0.0%	0.0%	0	28,263		0
	MESAVERDE	9		No perfs			50	Slickwater Ramp	0.5	15	0	38,127	0	908	0.0%	0.0%	0	28,263		0
	MESAVERDE	6		No perfs			50	Slickwater Ramp	1.5	2	15,073	53,200	359	1,267	26.3%	48.3%	26,378	54,641		0
	MESAVERDE	4		No perfs			50	Flush (4-1/2")		5,365	58,565	128	1,394				54,641		52	
	MESAVERDE	19		No perfs				ISP and 5 min ISP			58,565									122
		67		# of Perforations	44	25.3	cc Above pump line (min)								Flush depth	6220	gal%	800	622	48
																	CBP depth	6,172		
3	MESAVERDE	1	7986	7990	4	16	Varied	Pump-in test		Slickwater		0	0	0						
	MESAVERDE	22	8027	8030	4	12	0	ISP and 5 min ISP												15
	MESAVERDE	0	8140	8142	4	8	50	Slickwater Pad		Slickwater	5,100	5,100	121	121	15.0%	0.0%	0	0		14
	MESAVERDE	4		No perfs			50	Slickwater Ramp	0.25	1	9,633	14,733	229	351	26.3%	17.2%	6,021	6,021		0
	MESAVERDE	3		No perfs			50	SW Surfact	0	0	0	14,733	0	351	0.0%	0.0%	0	6,021		0
	MESAVERDE	3		No perfs			50	Slickwater Ramp	1	15	9,633	24,367	229	580	26.3%	34.6%	12,042	18,063		14
	MESAVERDE	0		No perfs			50	SW Surfact	0	0	0	24,367	0	580	0.0%	0.0%	0	18,063		0
	MESAVERDE	0		No perfs			50	Slickwater Ramp	0.5	15	0	24,367	0	580	0.0%	0.0%	0	18,063		0
	MESAVERDE	2		No perfs			50	Slickwater Ramp	1.5	2	9,633	34,000	229	610	26.3%	48.3%	16,858	34,921		0
	MESAVERDE	1		No perfs			50	Flush (4-1/2")		5,181	39,181	123	933				34,921		51	
	MESAVERDE	4		No perfs				ISP and 5 min ISP			39,181									96
	MESAVERDE	1		No perfs																
		43		# of Perforations	36	16.2	cc Above pump line (min)								Flush depth	7936	gal%	800	622	38
																	CBP depth	7,896		
4	WASATCH	4	7720	7722	4	8	Varied	Pump-in test		Slickwater		0	0	0						
	MESAVERDE	1	7800	7804	4	16	0	ISP and 5 min ISP												46
	MESAVERDE	3	7854	7858	3	12	50	Slickwater Pad		Slickwater	16,088	16,088	383	383	15.0%	0.0%	0	0		46
	MESAVERDE	0	7866	7868	3	6	50	Slickwater Ramp	0.25	1	30,389	46,475	724	1,107	26.3%	16.0%	16,992	18,992		0
	MESAVERDE	37		No perfs			50	SW Surfact	0	0	0	46,475	0	1,107	0.0%	0.0%	0	18,992		0
	MESAVERDE	13		No perfs			50	Slickwater Ramp	1	15	30,389	76,863	724	1,830	26.3%	33.6%	37,984	56,977		46
	MESAVERDE	3		No perfs			50	SW Surfact	0	0	0	76,863	0	1,830	0.0%	0.0%	0	56,977		0
	MESAVERDE	2		No perfs			50	Slickwater Ramp	0.5	15	3,000	85,113	71	2,026	2.7%	3.000	59,977		0	
	MESAVERDE	10		No perfs			50	Slickwater Ramp	1.5	2	30,389	112,500	724	2,679	26.3%	47.0%	53,178	113,155		0
	MESAVERDE	0		No perfs			50	Flush (4-1/2")		5,007	117,507	119	2,798				113,155		45	
	MESAVERDE	0		No perfs				ISP and 5 min ISP			117,507									184
		72		# of Perforations	42	63.6	cc Above pump line (min)								Flush depth	7670	gal%	1,600	1,683	748
																	CBP depth	6,930		
5	WASATCH	4	6784	6788	4	16	Varied	Pump-in test		Slickwater		0	0	0						
	WASATCH	2	6894	6900	4	24	0	ISP and 5 min ISP												8
	WASATCH	14		No perfs			50	Slickwater Pad		Slickwater	2,508	2,508	60	60	15.0%	0.0%	0	0		7
	WASATCH	0		No perfs			50	Slickwater Ramp	0.25	1	4,737	7,245	113	173	26.3%	17.2%	2,961	2,961		0
	WASATCH	0		No perfs			50	SW Surfact	0	0	0	7,245	0	173	0.0%	0.0%	0	2,961		0
	WASATCH	0		No perfs			50	Slickwater Ramp	1	15	4,737	11,983	113	285	26.3%	34.6%	5,922	8,883		7
	WASATCH	0		No perfs			50	SW Surfact	0	0	0	11,983	0	285	0.0%	0.0%	0	8,883		0
	WASATCH	0		No perfs			50	Slickwater Ramp	0.5	15	0	11,983	0	285	0.0%	0.0%	0	8,883		0
	WASATCH	0		No perfs			50	Slickwater Ramp	1.5	2	4,737	16,720	113	399	26.3%	48.3%	8,230	17,173		0
	WASATCH	0		No perfs			50	Flush (4-1/2")		4,395	21,116	105	503				17,173		42	
	WASATCH	0		No perfs				ISP and 5 min ISP			21,116									64
		19		# of Perforations	40	80	cc Above pump line (min)								Flush depth	6734	gal%	880	904	278
																	CBP depth	6,456		
6	WASATCH	9	6344	6350	4	24	Varied	Pump-in test		Slickwater		0	0	0						
	WASATCH	4	6422	6426	4	16	0	ISP and 5 min ISP												8
	WASATCH	0		No perfs			50	Slickwater Pad		Slickwater	2,531	2,531	60	60	15.0%	0.0%	0	0		7
	WASATCH	0		No perfs			50	Slickwater Ramp	0.25	1	4,781	7,313	114	174	26.3%	17.2%	2,968	2,968		0
	WASATCH	0		No perfs			50	SW Surfact	0	0	0	7,313	0	174	0.0%	0.0%	0	2,968		0
	WASATCH	0		No perfs			50	Slickwater Ramp	1	15	4,781	12,094	114	288	26.3%	34.6%	5,977	8,965		7
	WASATCH	0		No perfs			50	SW Surfact	0	0	0	12,094	0	288	0.0%	0.0%	0	8,965		0
	WASATCH	0		No perfs			50	Slickwater Ramp	0.5	15	0	12,094	0	288	0.0%	0.0%	0	8,965		0
	WASATCH	0		No perfs			50	Slickwater Ramp	1.5	2	4,781	16,875	114	402	26.3%	46.3%	6,357	17,332		0
	WASATCH	0		No perfs			50	Flush (4-1/2")		4,109	20,984	98	500				17,37			

NBU 921-14P
Perforation and CBP Summary

Stage	Zones	Perforations		SPF	Holes	Fracture Coverage		
		Top, ft	Bottom, ft					
1	MESAVERDE	8574	8576	4	8	8562	to	8562
	MESAVERDE	8604	8606	4	8	8569	to	8566
	MESAVERDE	8646	8648	4	8	8598.5	to	8606
	MESAVERDE	8662	8666	4	16	8637	to	8646.5
	MESAVERDE		No perfs			8653.5	to	8667.5
	MESAVERDE		No perfs			8670.5	to	8671.5
	MESAVERDE		No perfs			8673	to	8680
	# of Perfs/stage				40	CBP DEPTH	8,542	
2	MESAVERDE	8270	8272	4	8	8246.5	to	8249
	MESAVERDE	8338	8340	4	8	8265.5	to	8275.5
	MESAVERDE	8386	8388	4	8	8317.5	to	8327
	MESAVERDE	8454	8458	3	12	8328.5	to	8331
	MESAVERDE	8510	8512	4	8	8333	to	8334
	MESAVERDE		No perfs			8339.5	to	8344
	MESAVERDE		No perfs			8346	to	8347
	MESAVERDE		No perfs			8379.5	to	8388
	MESAVERDE		No perfs			8389.5	to	8394.5
	MESAVERDE		No perfs			8437.5	to	8441
	MESAVERDE		No perfs			8443	to	8461.5
	# of Perfs/stage				44	CBP DEPTH	8,172	
3	MESAVERDE	7986	7990	4	16	7932	to	7932.5
	MESAVERDE	8027	8030	4	12	7974.5	to	7996.5
	MESAVERDE	8140	8142	4	8	8008	to	8008
	MESAVERDE		No perfs			8022.5	to	8026
	MESAVERDE		No perfs			8028.5	to	8031
	MESAVERDE		No perfs			8033.5	to	8036
	MESAVERDE		No perfs			8040.5	to	8040.5
	MESAVERDE		No perfs			8075	to	8075
	MESAVERDE		No perfs			8104	to	8106
	MESAVERDE		No perfs			8124.5	to	8125
	MESAVERDE		No perfs			8138.5	to	8142.5
	MESAVERDE		No perfs			8153	to	8157
	MESAVERDE		No perfs			8162.5	to	8163.5
	# of Perfs/stage				36	CBP DEPTH	7,998	
4	WASATCH	7720	7722	4	8	7718.5	to	7722.5
	MESAVERDE	7800	7804	4	16	7750.5	to	7751
	MESAVERDE	7834	7838	3	12	7760.5	to	7763
	MESAVERDE	7866	7868	3	6	7764.5	to	7764.5
	MESAVERDE		No perfs			7787.5	to	7824.5
	MESAVERDE		No perfs			7829.5	to	7842.5
	MESAVERDE		No perfs			7852	to	7855
	MESAVERDE		No perfs			7856	to	7858
	MESAVERDE		No perfs			7862.5	to	7872
	MESAVERDE		No perfs			7872	to	7872
	# of Perfs/stage				42	CBP DEPTH	6,930	
5	WASATCH	6784	6788	4	16	6784	to	6787.5
	WASATCH	6894	6900	4	24	6823	to	6825
	WASATCH		No perfs			6888	to	6901.5
	WASATCH							
	# of Perfs/stage				40	CBP DEPTH	6,456	
6	WASATCH	6344	6350	4	24	6343.5	to	6352.5
	WASATCH	6422	6426	4	16	6422.5	to	6426
	WASATCH		No perfs			6436	to	6436
	# of Perfs/stage				40	CBP DEPTH	5,882	
7	WASATCH	5812	5818	4	24	5813	to	5818
	WASATCH	5848	5852	4	16	5822	to	5825.5
	WASATCH		No perfs			5843.5	to	5852.5
	# of Perfs/stage				40	CBP DEPTH	5,112	
8	WASATCH	5072	5082	4	40	5070	to	5070.5
	WASATCH		No perfs			5073.5	to	5087.5
	WASATCH							
	# of Perfs/stage				40	CBP DEPTH	5,022	
Totals					322			

Fracturing Schedules
NBU 921-14P
Stickwater Frac

Stage	Zone	Feet				Rate	Fluid	Initial	Final	Fluid	Volume	Cum Vol	Volume	Cum Vol	Fluid % of frac	Sand % of frac	Sand	Cum. Sand	Footage from CBP to Flush	Scale Inhib.	
		Top	Bot.	SPF	Holes																
1	MLSAVERDE	0	8574	8576	4	8	Varied	Pump-in test		Stickwater	0	0	0	0	15.0%	0.0%	0	0		56	
	MLSAVERDE	16	8604	8606	4	8	0	ISIP and 5 min ISIP		Stickwater	6,840	6,840	163	163	15.0%	0.0%	0	0		21	
	MLSAVERDE	8	8646	8648	4	8	50	Stickwater Ramp	0.25	1	Stickwater	12,920	19,760	306	470	28.3%	17.2%	8,075	8,075		19
	MLSAVERDE	14	No perfs			50	Stickwater Ramp	0	0	Stickwater	0	19,760	0	470	0.0%	0.0%	0	8,075		0	
	MLSAVERDE	1	No perfs			50	Stickwater Ramp	1	1.5	Stickwater	12,920	32,680	306	778	28.3%	34.5%	16,150	24,225		19	
	MLSAVERDE	7	No perfs			50	Stickwater Ramp	0	0	Stickwater	0	32,680	0	778	0.0%	0.0%	0	24,225		0	
	MLSAVERDE	7	No perfs			50	Stickwater Ramp	0.5	1.5	Stickwater	0	32,680	0	778	0.0%	0.0%	0	24,225		0	
	MLSAVERDE	0	No perfs			50	Stickwater Ramp	1.5	2	Stickwater	12,920	45,600	306	1,086	28.3%	48.3%	22,610	46,835		0	
	MLSAVERDE	0	No perfs			50	Flush (4-1/2")			Stickwater	5,184	51,184	133	1,219	28.3%	48.3%	0	46,835		56	
	MLSAVERDE	0	No perfs					ISIP and 5 min ISIP		Stickwater	51,184						0	46,835		170	
57	# of Perforations				40	24.4	4" Above pump line (min)			Stickwater					Flush depth	8554	800	822	12		
2	MLSAVERDE	3	8270	8272	4	8	Varied	Pump-in test		Stickwater	0	0	0	0			0	0			
	MLSAVERDE	10	8338	8340	4	8	0	ISIP and 5 min ISIP		Stickwater	7,980	7,980	190	190	15.0%	0.0%	0	0		24	
	MLSAVERDE	10	8366	8368	4	8	50	Stickwater Pad	0.25	1	Stickwater	15,073	23,053	359	549	28.3%	17.2%	9,421	9,421		23
	MLSAVERDE	3	8454	8456	3	12	50	Stickwater Ramp	0	0	Stickwater	0	23,053	0	549	0.0%	0.0%	0	9,421		0
	MLSAVERDE	1	8510	8512	4	8	50	Stickwater Ramp	0	0	Stickwater	15,073	38,127	359	908	28.3%	34.5%	18,842	28,263		23
	MLSAVERDE	5	No perfs			50	Stickwater Ramp	0	0	Stickwater	0	38,127	0	908	0.0%	0.0%	0	28,263		0	
	MLSAVERDE	9	No perfs			50	Stickwater Ramp	0.5	1.5	Stickwater	0	38,127	0	908	0.0%	0.0%	0	28,263		0	
	MLSAVERDE	2	No perfs			50	Stickwater Ramp	1.5	2	Stickwater	15,073	53,200	359	1,267	28.3%	48.3%	26,378	54,641		0	
	MLSAVERDE	19	No perfs			50	Flush (4-1/2")			Stickwater	5,306	58,506	128	1,394			0	54,641		53	
	MLSAVERDE	0	No perfs					ISIP and 5 min ISIP		Stickwater	58,506						0	54,641		122	
67	# of Perforations				44	25.3	4" Above pump line (min)			Stickwater					Flush depth	8220	800	822	46		
1	MLSAVERDE	1	7985	7990	4	16	Varied	Pump-in test		Stickwater	0	0	0	0			0	0			
	MLSAVERDE	22	8027	8030	4	12	0	ISIP and 5 min ISIP		Stickwater	5,100	5,100	121	121	15.0%	0.0%	0	0		15	
	MLSAVERDE	0	8140	8142	4	8	50	Stickwater Pad	0.25	1	Stickwater	9,833	14,733	229	351	28.3%	17.2%	6,021	6,021		14
	MLSAVERDE	4	No perfs			50	Stickwater Ramp	0	0	Stickwater	0	14,733	0	351	0.0%	0.0%	0	6,021		0	
	MLSAVERDE	3	No perfs			50	Stickwater Ramp	1	1.5	Stickwater	9,833	24,367	229	580	28.3%	34.5%	12,042	18,063		14	
	MLSAVERDE	0	No perfs			50	Stickwater Ramp	0	0	Stickwater	0	24,367	0	580	0.0%	0.0%	0	18,063		0	
	MLSAVERDE	0	No perfs			50	Stickwater Ramp	0.5	1.5	Stickwater	0	24,367	0	580	0.0%	0.0%	0	18,063		0	
	MLSAVERDE	2	No perfs			50	Stickwater Ramp	1.5	2	Stickwater	9,833	34,000	229	810	28.3%	48.3%	16,858	34,921		0	
	MLSAVERDE	1	No perfs			50	Flush (4-1/2")			Stickwater	5,181	39,181	123	933			0	34,921		51	
	MLSAVERDE	4	No perfs					ISIP and 5 min ISIP		Stickwater	39,181						0	34,921		90	
43	# of Perforations				38	16.2	4" Above pump line (min)			Stickwater					Flush depth	7936	800	822	38		
4	WASATCH	4	7720	7722	4	8	Varied	Pump-in test		Stickwater	0	0	0	0			0	0			
	WASATCH	1	7806	7808	4	16	0	ISIP and 5 min ISIP		Stickwater	16,088	16,088	383	383	15.0%	0.0%	0	0		46	
	WASATCH	2	7834	7838	3	12	50	Stickwater Pad	0.25	1	Stickwater	30,388	46,475	724	1,107	28.3%	16.8%	18,992	18,992		46
	WASATCH	37	No perfs			50	Stickwater Ramp	0	0	Stickwater	0	46,475	0	1,107	0.0%	0.0%	0	18,992		0	
	WASATCH	13	No perfs			50	Stickwater Ramp	1	1.5	Stickwater	30,388	76,863	724	1,830	28.3%	33.6%	37,984	56,977		46	
	WASATCH	3	No perfs			50	Stickwater Ramp	0.5	1.5	Stickwater	0	76,863	0	1,830	0.0%	0.0%	0	56,977		0	
	WASATCH	2	No perfs			50	Stickwater Ramp	0.5	1.5	Stickwater	3,000	85,113	71	2,026	0.0%	0.0%	0	56,977		0	
	WASATCH	10	No perfs			50	Stickwater Ramp	1.5	2	Stickwater	30,388	112,500	724	2,679	28.3%	47.0%	53,178	113,155		0	
	WASATCH	0	No perfs			50	Flush (4-1/2")			Stickwater	5,007	117,507	119	2,798			0	113,155		55	
	WASATCH	0	No perfs					ISIP and 5 min ISIP		Stickwater	117,507						0	113,155		184	
72	# of Perforations				42	13.8	4" Above pump line (min)			Stickwater					Flush depth	7670	1,500	1,583	740		
5	WASATCH	4	6784	6788	4	16	Varied	Pump-in test		Stickwater	0	0	0	0			0	0			
	WASATCH	2	6864	6900	4	24	0	ISIP and 5 min ISIP		Stickwater	2,508	2,508	60	60	15.0%	0.0%	0	0		8	
	WASATCH	16	No perfs			50	Stickwater Pad	0.25	1	Stickwater	4,737	7,245	113	173	28.3%	17.2%	2,961	2,961		7	
	WASATCH	0	No perfs			50	Stickwater Ramp	0	0	Stickwater	0	7,245	0	173	0.0%	0.0%	0	2,961		0	
	WASATCH	0	No perfs			50	Stickwater Ramp	1	1.5	Stickwater	4,737	11,983	113	285	28.3%	34.5%	5,922	8,883		7	
	WASATCH	0	No perfs			50	Stickwater Ramp	0	0	Stickwater	0	11,983	0	285	0.0%	0.0%	0	8,883		0	
	WASATCH	0	No perfs			50	Stickwater Ramp	0.5	1.5	Stickwater	0	11,983	0	285	0.0%	0.0%	0	8,883		0	
	WASATCH	0	No perfs			50	Stickwater Ramp	1.5	2	Stickwater	4,737	16,720	113	368	28.3%	48.3%	8,230	17,173		0	
	WASATCH	0	No perfs			50	Flush (4-1/2")			Stickwater	4,386	21,116	105	503			0	17,173		42	
	WASATCH	0	No perfs					ISIP and 5 min ISIP		Stickwater	21,116						0	17,173		64	
19	# of Perforations				40	4.0	4" Above pump line (min)			Stickwater					Flush depth	6734	850	904	278		
6	WASATCH	8	6344	6350	4	24	Varied	Pump-in test		Stickwater	0	0	0	0			0	0			
	WASATCH	4	6422	6426	4	16	0	ISIP and 5 min ISIP		Stickwater	2,531	2,531	60	60	15.0%	0.0%	0	0		8	
	WASATCH	0	No perfs			50	Stickwater Pad	0.25	1	Stickwater	4,781	7,313	114	174	28.3%	17.2%	2,988	2,988		7	
	WASATCH	0	No perfs			50	Stickwater Ramp	0	0	Stickwater	0	7,313	0	174	0.0%	0.0%	0	2,988		0	
	WASATCH	0	No perfs			50	Stickwater Ramp	1	1.5	Stickwater	4,781	12,094	114	288	28.3%	34.5%	5,977	8,965		7	
	WASATCH	0	No perfs			50	Stickwater Ramp	0	0	Stickwater	0	12,094	0	288	0.0%	0.0%	0	8,965		0	
	WASATCH	0	No perfs			50	Stickwater Ramp	0.5	1.5	Stickwater	0	12,094	0	288	0.0%	0.0%	0	8,965		0	
	WASATCH	0	No perfs			50	Stickwater Ramp	1.5	2	Stickwater	4,781	16,875	114	402	28.3%	48.3%	8,367	17,332		0	
	WASATCH	0	No perfs			50	Flush (4-1/2")			Stickwater	4,108	20,984	98	500			0	17,332		38	
	WASATCH	0	No perfs					ISIP and 5 min ISIP		Stickwater	20,984						0	17,332		60	
13	# of Perforations				40	4.0	4" Above pump line (min)			Stickwater					Flush depth	6294	1,350	1,387	412		
7	WASATCH	4	5812	5818	4	24	Varied	Pump-in test		Stickwater	0	0	0	0			0	0			
	WASATCH	4	5848	5852	4	16	0	ISIP and 5 min ISIP		Stickwater	2,625	2,625	63	63	15.0%	0.0%	0	0		8	
	WASATCH	0	No perfs			50	Stickwater Pad	0.25	1	Stickwater	4,968	7,593	118	181	28.3%	17.2%	3,069	3,069		7	
	WASATCH	0	No perfs			50	Stickwater Ramp	0	0	Stickwater	0	7,593	0	181	0.0%	0.0%	0	3,069		0	
	WASATCH	0	No perfs			50	Stickwater Ramp	1	1.5	Stickwater	4,968	12,562	118	209	28.3%	34.5%	6,196	9,267		7	
	WASATCH	0	No perfs			50	Stickwater Ramp	0	0	Stickwater	0	12,562	0	209	0.0%	0.0%	0	9,267		0	
	WASATCH	0	No perfs			50	Stickwater Ramp	0.5	1.5	Stickwater	0	12,562	0	209							

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other										5. Lease Serial No. UTU-01193	
b. Type of Completion: <input type="checkbox"/> New Well <input checked="" type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr., Other: <u>re comp</u>										6. If Indian, Allottee or Tribe Name TRIBAL SURFACE	
2. Name of Operator KERR MCGEE OIL & GAS ONSHORE LP										7. Unit or CA Agreement Name and No. UNIT #891008900A	
3. Address 1368 SOUTH 1200 EAST VERNAL, UTAH 84078										8. Lease Name and Well No. NBU 921-14P	
3a. Phone No. (include area code) 435.781.7024										9. AFI Well No. 4304739248	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SE/SE 878'FSL, 1163'FEL At top prod. interval reported below At total depth										10. Field and Pool or Exploratory NATURAL BUTTES	
14. Date Spudded 06/16/2008										11. Sec., T., R., M., on Block and Survey or Area SEC. 14, T9S, R21E	
15. Date T.D. Reached 07/11/2008										12. County or Parish UINTAH, COUNTY	
16. Date Completed 03/10/2009 <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.										13. State UT	
18. Total Depth: MD 9805' TVD										17. Elevations (DF, RKB, RT, GL)* 4851'GL	
19. Plug Back T.D.: MD 9700' TVD										20. Depth Bridge Plug Set: MD TVD	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) N/A										22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit copy)	
23. Casing and Liner Record (Report all strings set in well)											
Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled		
20"	14" STEEL	36.7#		40'		28 SX					
12 1/4"	9 5/8" J-55	36#		2850'		660 SX					
7 7/8"	4 1/2 I-80	11.6#		9805'		1710 SX					
24. Tubing Record											
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)			
2 3/8"	8253'										
25. Producing Intervals										26. Perforation Record	
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status					
A) WASATCH	5072'	6900'	5072'-6900'	0.36	160	OPEN					
B) WSTCH/MESA	7720'	7868'	7720'-7868'	0.36	42	OPEN					
C) MESAVERDE	7986'	8666'	7986'-8666'	0.36	120	OPEN					
D)											
27. Acid, Fracture, Treatment, Cement Squeeze, etc.											
Depth Interval	Amount and Type of Material										
5072'-6900'	PMP 2266 BBLs SLICK H2O & 82,904# 30/50 OTTOWA SD										
7720'-7868'	PMP 2944 BBLs SLICK H2O & 113,435# 30/50 OTTOWA SD										
7986'-8666'	PMP 3609 BBLs SLICK H2O & 137,262# 30/50 OTTOWA SD										
28. Production - Interval A											
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method		
3/10/09	3/14/09	24	→	0	1519	300			FLows FROM WELL		
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status			
22/64	577#	1024#	→	0	1519	300		PRODUCING GAS WELL			
28a. Production - Interval B											
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method		
3/10/09	3/14/09	24	→	0	1519	300			FLows FROM WELL		
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status			
22/64	577#	1024#	→	0	1519	300		PRODUCING GAS WELL			

*(See instructions and spaces for additional data on page 2)

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DIV. OF OIL, GAS & MINING

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
3/10/09	3/14/09	24	→	0	1519	300			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
22/64	577#	1024#	→	0	1519	300		PRODUCING GAS WELL	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

29. Disposition of Gas (Solid, used for fuel, vented, etc.)

SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
GREEN RIVER	1672'				
BIRDS NEST	2000'				
MAHOGANY	2480'				
WASATCH	4999'	7764'			
MESAVERDE	7775'	9769'			

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☐ Directional Survey
- ☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) SHEILA UPCHIEGO

Title REGULATORY ANALYST

Signature

Date 04/15/2009

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

(Form 3160-4, page 2)

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-01193
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		8. WELL NAME and NUMBER: NBU 921-14P
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0878 FSL 1163 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 14 Township: 09.0S Range: 21.0E Meridian: S		9. API NUMBER: 43047392480000
PHONE NUMBER: 720 929-6007 Ext		9. FIELD and POOL or WILDCAT: NATURAL BUTTES
COUNTY: Uintah		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 6/7/2010	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input checked="" type="checkbox"/> OTHER	
	OTHER: DRILLED OUT CIBP	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
THIS WELL WAS RECOMPLETED TO THE WASATCH/MESAVERDE FORMATIONS ON 3/10/2009. A CIBP AND FISH REMAINED IN THE HOLE AFTER THE RECOMPLETION. THE TOP OF THE CIBP WAS 8699'. ON 6/4/2010, THE CIBP AND FISH WERE DRILLED OUT/REMOVED AND 2-3/8" TUBING WAS LANDED AT 8982'. THIS WELL IS ON PRODUCTION. PLEASE SEE ATTACHED CHRONOLOGICAL WELL HISTORY FOR OPERATION DETAILS.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY June 15, 2010		
NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A		DATE 6/9/2010

US ROCKIES REGION
Operation Summary Report

Well: NBU 921-14P			Spud Conductor: 6/16/2008				Spud Date: 6/18/2008	
Project: UTAH-UINTAH			Site: NBU 921-14P				Rig Name No: DOUBLE HOOK/UNK	
Event: WELL WORK EXPENSE			Start Date: 6/2/2010				End Date: 6/7/2010	
Active Datum: RKB @4,865.00ft (above Mean Sea Leve			UWI: NBU 921-14P					
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
6/2/2010	12:00 - 12:30	0.50	ALL	48		P		HSM, REVIEW JSA # 1
	12:30 - 16:00	3.50	ALL	31		P		FCP. 100 PSI. FTP. 100 PSI. MIRU, BLEW WELL DWN, CONTROL WELL W/ 20 BBLS DWN TBG & 30 BBLS DWN CSG, RU FLOOR EQUIPMENT, ND WH, NU BOPS, UNLAND TBG, PU TBG F/ TRAILER & TAG @ 8692', POOH S/B 14 JTS. EOT @ 8245', SWI, SWFN.
6/3/2010	7:00 - 7:30	0.50	ALL	48		P		HSM, REVIEW JSA #7
	7:30 - 12:00	4.50	ALL	45	A	P		SICP. 400 PSI. SITP. 600 PSI. BLEW WELL DWN, CONTROL WELL W/ 12 BBLS, RU SCAN TECH, POOH INSPECTING 2-3/8 L-80 TBG, LD 98 JTS 2-3/8 L-80 TBG, PINS & THREADS EROSION, F/1873' TO 4920' RD SCAN TECH.
	12:00 - 19:00	7.00	ALL	31	I	P		RU RBS, PU 3-1/8 OVERSHOT, OVERSHOT EXT, BOWEN LBS, XO SUB 6' PUP JNT, & RIH 260 JTS 2-3/8 L-80 TBG, TAG FISH @ 8685', RU TECH FOAM, BROKE CIRC IN 1 HR, C/O FISH F/ 8685' TO TOP OF FISH @ 8702', LATCH ON FISH, DRAG 10-15 K FIRST JT. CIRC CLEAN FOR 30 MINS, KILL W/ 10 BBLS, POOH 24 STANDS EOT @ 6962 W/ 219 JTS IN WELL. SWI SDFN.
6/4/2010	7:00 - 7:30	0.50	ALL	48		P		HSM, REVIEW JSA # 7
	7:30 - 9:00	1.50	ALL	31	I	P		SICP. 500 PSI. SITP. 500 PSI. BLEW WELL DWN, CONTROL WELL W/ 12 BBLS, FINISH POOH TBG & BHA,
	9:00 - 12:00	3.00	ALL	31	I	P		LD BHA W/ FISH, THREE CONES WERE MISSING ON OLD BIT, RIH W/ 3-7/8 SEALED BEARING BIT & 2-3/8 TBG, TAG CBP @ 8699', RU PWR SWVL.
	12:00 - 17:00	5.00	ALL	44	C	P		RU AIR FOAM UNIT & N2, BROKE CIRC IN 1HR. DRILL OUT CBP IN 2 HRS, HAD 300 PSI INCREASE, PU 41 JTS, F/ TRAILER & TAG FILL @ 9723', BTM PERF @ 9660' & PBSD IS @ 9779', HAVE 56' TO C/O. POOH 40 JTS, EOT @ 8436' W/ 266 JTS IN WELL, SWI SDFWN.
6/7/2010	7:00 - 7:30	0.50	ALL	48		P		HSM, REVIEW JSA # 16

US ROCKIES REGION
Operation Summary Report

Well: NBU 921-14P		Spud Conductor: 6/16/2008		Spud Date: 6/18/2008	
Project: UTAH-UINTAH		Site: NBU 921-14P		Rig Name No: DOUBLE HOOK/UNK	
Event: WELL WORK EXPENSE		Start Date: 6/2/2010		End Date: 6/7/2010	
Active Datum: RKB @4,865.00ft (above Mean Sea Leve		UWI: NBU 921-14P			

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:30 - 18:00	10.50	ALL	31	N	P		<p>SICP. 1000 PSI. SITP 1600 PSI. BLEW WELL DWN, CONTROL WELL W/ 16 BBLS, RIH W/ 41 JTS TAG FILL @ 9723', INSTALLED TSF, RU PWR SWVL, RU AIR FOAM UNIT & N2, BROKE CIRC IN 30 MINS, C/O F/ 9723' TO 9779' PBTD. CLEAN & CIRC WELL FOR 1 HR. REMOVE TSF, RD FOAM UNIT & N2, RD PWR SWVL, LD 25 JTS ON TRAILER & POOH W/ TBG, LD BIT & BIT SUB, RIH W/ 1.875 XN NIPPLE & 283 JTS L-80 PROD TBG, LAND TBG, BROACH TBG TO SN (GOOD), ND FLOOR EQUIPMENT, ND BOPS, NU WH, RDMO, MOVE TO CIGE 214.</p> <p>KB-----14' 4-1/2 HANGER-----.83" 283 JTS. 2-3/8 L-80 TBG @---- 8967.07' 1.875 XN NIPPLE-----1.05' EOT -----@--- 8982.95'</p> <p>WLTR 100 BBLS.</p>

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS
***Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.***

5. Lease Serial No.
UTU-01193

6. If Indian, Allottee or Tribe Name

TRIBAL SURFACE

SUBMIT IN TRIPLICATE – Other instructions on page 2.

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
KERR MCGEE OIL & GAS ONSHORE LP

3a. Address
1368 SOUTH 1200 EAST VERNAL, UTAH 84078

3b. Phone No. (include area code)
435.781.7024

7. If Unit of CA/Agreement, Name and/or No.
UNIT #891008900A

8. Well Name and No.
NBU 921-14P

9. API Well No.
4304739248

10. Field and Pool or Exploratory Area
NATURAL BUTTES

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SE/SE SEC. 14, T9S, R21E 878'FSL, 1163'FEL

11. Country or Parish, State
UINTAH COUNTY, UTAH

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

THE OPERATOR HAS PERFORMED A RECOMPLETION ON THE SUBJECT WELL LOCATION. THE OPERATOR HAS COMPLETED THE WASATCH AND MESAVERDE FORMATIONS. THE OPERATOR HAS COMMINGLED THE NEWLY WASATCH AND MESAVERDE FORMATION, ALONG WITH THE EXISTING MESAVERDE FORMATIONS. THE SUBJECT WELL LOCATION WAS PLACED ON PRODUCTION ON 03/10/2009 AT 10:00 AM

PLEASE REFER TO THE ATTACHED RECOMPLETION CHRONOLOGICAL WELL HISTORY.

14. I hereby certify that the foregoing is true and correct.

Name (Printed/Typed)
SHEILA UPCHEGO

Title REGULATORY ANALYST

Signature

Date 03/11/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

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DIV. OF OIL, GAS & MINING

ROCKIES

Operation Summary Report

Well: NBU 921-14P			Spud Conductor: 6/16/2008			Spud Date: 6/18/2008			
Project: UTAH			Site: UINTAH				Rig Name No: MILES 3/3		
Event: RECOMPLETION			Start Date: 2/23/2009			End Date: 3/9/2009			
Active Datum: RKB @4,865.00ft (above Mean Sea Level)			UWI: NBU 921-14P						
Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation	
2/25/2009	7:00 - 7:30	0.50	COMP	48		P		HSM. PINCH POINTS	
	7:30 - 15:00	7.50	COMP	31	I	P		ROAD RIG FROM NBU 921-13H TO THE NBU 921-14P. RU RIG & SPOT EQUIPMENT. SITP 50 PSI, SICP 100 PSI. PUMP 50 BBLS DOWN CASING & 20 BBLS DOWN TUBING. WELL DEAD POOH W/ 289 JTS OF ALL JTS WERE CLEAN. SWI SDFN	
2/26/2009	7:00 - 7:30	0.50	COMP	48		P		HSM. WIRE LINE WORK & PRESSURE TESTING	
	7:30 - 15:00	7.50	COMP	37	B	P		SICP 800 PSI. BLEED DOWN WELL. PUMP 20 BBLS OF 2% DOWN CASING WELL DEAD. PU 4 1/2" 10K BAKER CBP RIH SET @ 8,696'. POOH W/ WIRE LINE. MIRU B&C QUICK TEST. FILL WELL 75 BBLS. PERSSURE TEST CASING & BOTH FRAC VALVES TO 6,200 PSI. RDMO B&C QUICK TEST. STG #1) RIH W/3 1/8" GNS, 23 GRM, .36 HOLES 90 DEG PHSG. PERF THE M.V. @ 8,662' - 66' 4SPF, 8,646' - 48' 4SPF, 8,604' - 06' 4SPF, 8,574' - 76' 4SPF, 40 HOLES. RDMO CUTTERS. SWI SDFWE	
2/27/2009	7:00 - 15:00	8.00	COMP	30	C	P		STANDBY	
3/2/2009	7:00 - 15:00	8.00	COMP	30	C	P		STANDBY	
3/3/2009	7:00 - 7:30	0.50	COMP	48		P		DAY 5 - JSA & SM #5	
	7:30 - 8:30	1.00	COMP	36	E	P		MIRU BJ SERVICES & CUTTERS WIRELINE.	
	8:30 - 9:00	0.50	COMP	36	E	P		WHP = 838 PSI. PT SURFACE EQUIP. TO 7000 PSI. STG #1) BRK DWN PERFS 4.6 BPM @ 4270 PSI, ISIP = 3644 PSI, FG = 0.86. PMP 3 BBL HCL, PMP 100 BBLS SLK WTR W/10/1000 SCALE INHIB. PMP 140 BBLS 44.5 BPM @ 5200 PSI. 40/40 PERFS OPEN - 100% MP = 5675 PSI, MR = 50.5 BPM, AP = 5301 PSI, AR = 49.2 BPM, ISIP = 2946 PSI, FG = 0.78. NPI = (-698 PSI). PMPD 1237 BBLS SLK WTR, 41,314 LBS OTTOWA SND, 5,829 LBS TLC SND, 47,143 LBS TOTAL SND.	
	9:00 - 10:10	1.17	COMP	37	B	P		STG #2) RIH W/3 3/8" GNS, 23 GRM, .36 HOLES 90 DEG PHSG. SET BAKER 8K CBP @ 8542'. PERF THE M.V. @ 8,510' - 12', 4 SPF, 8,454' - 58', 4 SPF, 8,386' - 88', 4 SPF, 8,338' - 40', 4 SPF, 8,270' - 72', 4 SPF, 44 HOLES.	
	10:10 - 10:53	0.72	COMP	36	E	P		STG #2) BRK DWN PERFS 4.6 BPM @ 3499 PSI, INJ. RATE 11.2 BPM @ 3217 PSI, ISIP = 2811 PSI, FG = 0.78. PMP 160 BBLS 50 BPM @ 5400 PSI. 37/44 PERFS OPEN - 84% MP = 5418 PSI, MR = 51.8 BPM, AP = 5087 PSI, AR = 51.5 BPM, ISIP = 2747 PSI, FG = 0.77. NPI = (-698 PSI). PMPD 1422 BBLS SLK WTR, 50,173 LBS OTTOWA SND, 4,935 LBS TLC SND, 55,108 LBS TOTAL SND.	
	10:53 - 11:55	1.03	COMP	37	B	P		STG #3) RIH W/3 3/8" GNS, 23 GRM, .36 HOLES 90 DEG PHSG. SET BAKER 8K CBP @ 8175'. PERF THE M.V. @ 8,140' - 42', 4 SPF, 8,027' - 30', 4 SPF, 7,986' - 90', 4 SPF, 36 HOLES.	

ROCKIES

Operation Summary Report

Well: NBU 921-14P		Spud Conductor: 6/16/2008		Spud Date: 6/18/2008	
Project: UTAH		Site: UINTAH			Rig Name No: MILES 3/3
Event: RECOMPLETION		Start Date: 2/23/2009		End Date: 3/9/2009	
Active Datum: RKB @4,865.00ft (above Mean Sea Level)			UWI: NBU 921-14P		

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
	11:55 - 12:35	0.67	COMP	36	E	P		STG #3) BRK DWN PERFS 4.4 BPM @ 2856 PSI, INJ. RATE 11.5 BPM @ 2695 PSI, ISIP = 2199 PSI, FG = 0.71. PMP 360 BBLS 50.4 BPM @ 4800 PSI. 32/36 PERFS OPEN - 89% MP = 5448 PSI, MR = 50.6 BPM, AP = 4948 PSI, AR = 50.1 BPM, ISIP = 2507 PSI, FG = 0.75. NPI = 308. PMPD 950 BBLS SLK WTR, 30,062 LBS OTTOWA SND, 4,949 LBS TLC SND, 35,011 LBS TOTAL SND.
	12:35 - 13:12	0.62	COMP	37	B	P		STG #4) RIH W/3 3/8" GNS, 23 GRM, .36 HOLES 90 & 120 DEG PHSG. SET BAKER 8K CBP @ 7898'. PERF THE M.V. @ 7,866' - 68', 3 SPF, 7,834' - 38', 3 SPF, 7,800' - 04', 4 SPF, 7,720' - 22', 4 SPF, 42 HOLES.
	13:12 - 14:42	1.50	COMP	36	E	P		STG #4) BRK DWN PERFS 4.6 BPM @ 2832 PSI, INJ. RATE 11.5 BPM @ 2110 PSI, ISIP = 1626 PSI, FG = 0.65. PMP 150 BBLS 50.2 BPM @ 4000 PSI. 42/42 PERFS OPEN - 100% MP = 4899 PSI, MR = 50.8 BPM, AP = 4251 PSI, AR = 50.4 BPM, ISIP = 2623 PSI, FG = 0.78. NPI = 997. PMPD 2944 BBLS SLK WTR, 110,036 LBS OTTOWA SND, 3,399 LBS TLC SND, 113,435 LBS TOTAL SND.
	14:42 - 15:30	0.80	COMP	37	B	P		STG #5) RIH W/3 3/8" GNS, 23 GRM, .36 HOLES 90 DEG PHSG. SET BAKER 8K CBP @ 6930'. PERF THE WASATCH @ 6,894' - 6900', 4 SPF, 6,784' - 88', 4 SPF, 40 HOLES.
	15:30 - 15:30	0.00	COMP					SAND SCREWS ON BLENDER QUITE. SWAP OUT BLENDERS.
3/4/2009	6:30 - 7:12	0.70	COMP	48		P		SWI - SDFN. PREP WELL TO CONT. TO FRAC STGS 5 - 8 IN AM.
	7:12 - 7:28	0.27	COMP	36	E	P		DAY 6 - JSA & SM #6
								STG #5) WHP = 858 PSI. BRK DWN PERFS 4.4 BPM @ 3245 PSI, INJ. RATE 11.6 BPM @ 1906 PSI, ISIP = 1457 PSI, FG = 0.65. PMP 120 BBLS 50 BPM @ 3300 PSI. 40/40 PERFS OPEN - 100% MP = 3447 PSI, MR = 51.5 BPM, AP = 3213 PSI, AR = 50.8 BPM, ISIP = 1629 PSI, FG = 0.68. NPI = 172. PMPD 522 BBLS SLK WTR, 10,240 LBS OTTOWA SND, 6,921 LBS TLC SND, 17,161 LBS TOTAL SND.
	7:28 - 8:16	0.80	COMP	37	B	P		STG #6) RIH W/3 3/8" GNS, 23 GRM, .36 HOLES 90 DEG PHSG. SET BAKER 8K CBP @ 6456'. PERF THE WASATCH @ 6,422' - 26', 4 SPF, 6,344' - 50', 4 SPF, 40 HOLES.
	8:16 - 8:45	0.48	COMP	36	E	P		STG #6) WHP = 298 PSI. BRK DWN PERFS 5.5 BPM @ 5731 PSI, INJ. RATE 16.1 BPM @ 4080 PSI, ISIP = 1319 PSI, FG = 0.65. PMP 110 BBLS 51 BPM @ 3900 PSI. 24/40 PERFS OPEN - 60% MP = 4120 PSI, MR = 51.8 BPM, AP = 3403 PSI, AR = 50.9 BPM, ISIP = 1026 PSI, FG = 0.60. NPI = (-298) PSI. PMPD 518 BBLS SLK WTR, 12,308 LBS OTTOWA SND, 5,245 LBS TLC SND, 17,553 LBS TOTAL SND.
	8:45 - 9:25	0.67	COMP	37	B	P		STG #7) RIH W/3 3/8" GNS, 23 GRM, .36 HOLES 90 DEG PHSG. SET BAKER 8K CBP @ 5882'. PERF THE WASATCH @ 5,848' - 52', 4 SPF, 5,812' - 18', 4 SPF, 40 HOLES.

ROCKIES

Operation Summary Report

Well: NBU 921-14P		Spud Conductor: 6/16/2008		Spud Date: 6/18/2008	
Project: UTAH		Site: UINTAH			Rig Name No: MILES 3/3
Event: RECOMPLETION		Start Date: 2/23/2009		End Date: 3/9/2009	
Active Datum: RKB @4,865.00ft (above Mean Sea Level)		UWI: NBU 921-14P			

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
	9:25 - 9:50	0.42	COMP	36	E	P		STG #7) WHP = 220 PSI. BRK DWN PERFS 4.4 BPM @ 2427 PSI, INJ. RATE 11.2 BPM @ 1530 PSI, ISIP = 1223 PSI, FG = 0.65. PMP 100 BBLS 50.4 BPM @ 3016 PSI. 40/40 PERFS OPEN - 100% MP = 2930 PSI, MR = 51 BPM, AP = 2790 PSI, AR = 50.6 BPM, ISIP = 1223 PSI, FG = 0.65. NPI = 244 PSI. PMPD 526 BBLS SLK WTR, 12,583 LBS OTTOWA SND, 5,647 LBS TLC SND, 18,230 LBS TOTAL SND.
	9:50 - 10:25	0.58	COMP	37	B	P		STG #8) RIH W/3 3/8" GNS, 23 GRM, .36 HOLES 90 DEG PHSG. SET BAKER 8K CBP @ 5112'. PERF THE WASATCH @ 5,072' - 82', 4 SPF, 40 HOLES.
	10:25 - 10:50	0.42	COMP	36	E	P		STG #8) WHP = 247 PSI. BRK DWN PERFS 4.4 BPM @ 2043 PSI, INJ. RATE 10.1 BPM @ 1378 PSI, ISIP = 1187 PSI, FG = 0.65. PMP 100 BBLS 50.2 BPM @ 2900 PSI. 40/40 PERFS OPEN - 100% MP = 2918 PSI, MR = 51.1 BPM, AP = 2799 PSI, AR = 50.4 BPM, ISIP = 1663 PSI, FG = 0.77. NPI = 476 PSI. PMPD 700 BBLS SLK WTR, 24,102 LBS OTTOWA SND, 5,858 LBS TLC SND, 29,960 LBS TOTAL SND.
	10:50 - 11:20	0.50	COMP	34	I	P		KILL PLUG) RIH W/BAKER 8K CBP & SET @ 5022'. POOH & L/D WIRELINE TOOLS. RDMO CUTTERS WIRELINE & BJ SERVICES.
	11:20 - 14:03	2.72	COMP	31	I	P		R/D FLOOR. ND FRAC VALVES, NU BOP. R/U FLOOR & TBG EQUIP. PU 3 7/8" BIT, POBS & XN NIPPLE. RIH ON USED 2 3/8" 4.7# L80 TBG. TAG KILL PLUG @ 5022'. EOT @ 2164. WIND BLOWING BLOCKS OUTSIDE OF DERRICK LEGS
3/5/2009	7:00 - 7:30	0.50	COMP	48		P		SWI - SDFD. PREP WELL TO CONT. TO RIH W/TBG & DRLG PLUGS IN AM.
	7:30 - 10:30	3.00	COMP	31	I	P		DAY 7 - JSA & SM #7. WHP = 0 PSI. WIND BLOWING BLOCKS OUTSIDE DERRICK LEGS. WAIT FOR WIND TO DIE DOWN.

ROCKIES

Operation Summary Report

Well: NBU 921-14P		Spud Conductor: 6/16/2008		Spud Date: 6/18/2008	
Project: UTAH		Site: UINTAH		Rig Name No: MILES 3/3	
Event: RECOMPLETION		Start Date: 2/23/2009		End Date: 3/9/2009	
Active Datum: RKB @4,865.00ft (above Mean Sea Level)		UWI: NBU 921-14P			

Date	Time Start-End	Duration (hr)	Phase	Code	Subco de2	P/U	MD From (ft)	Operation
	10:30 - 10:30	0.00	COMP	44	C	P		EOT @ 2164'. RIH & TAG KILL PLUG @ 2164'. L/D 10 JTS ON FLOAT. R/D TBG EQUIP. R/U PWR SWVL & PMP. EST. CIRC W/2% KCL WTR. P/T BOP TO 3000 PSI. C/O 30' SND.
								CBP #1) DRLG OUT BAKER 8K CBP @ 5022' IN 8 MIN. 300 PSI DIFF. RIH TAG FILL @ 5082'. C/O 30 OF SND. FCP = 25 PSI.
								CBP #2) DRLG OUT BAKER 8K CBP @ 5112' IN 20 MIN. 100 PSI DIFF. RIH TAG FILL @ 5852'. C/O 30 OF SND. FCP = 25 PSI.
								CBP #3) DRLG OUT BAKER 8K CBP @ 5882' IN 10 MIN. 0 PSI DIFF. RIH TAG FILL @ 6426'. C/O 30 OF SND. FCP = 25 PSI.
								CBP #4) DRLG OUT BAKER 8K CBP @ 6456' IN 10 MIN. 200 PSI DIFF. RIH TAG FILL @ 5082'. C/O 30 OF SND. FCP = 25 PSI.
								CBP #5) DRLG OUT BAKER 8K CBP @ 6930' IN 10 MIN. 400 PSI DIFF. SWIVEL DWN 1 JT TBG. CIRC WELL CLEAN. EOT @ 6960'.
3/6/2009	7:00 - 7:30	0.50	COMP	48		P		17:00 SWI - SDFN. PREP WELL TO DRLG 4 PLUGS IN AM.
	7:00 -			33	A			DAY 8 - JSA & SM #8
								7 AM FLBK REPORT: CP 1275#, TP 775#, 20/64" CK, 12 BWPH, TRACE SAND, MED GAS
								TTL BBLS RECOVERED: 7671
								BBLS LEFT TO RECOVER: 1148
	7:30 - 14:30	7.00	COMP	44	C	P		WHP = 775 PSI. RIH TAG FILL @ 7868'. C/O 30' OF SND. FCP = 125 PSI
								CBP #6) DRLG OUT BAKER 8K CBP @ 7898' IN 10 MIN. 400 PSI DIFF. RIH TAG FILL @ 8170'. C/O 5' OF SND. FCP = 125 PSI.
								CBP #7) DRLG OUT BAKER 8K CBP @ 8175' IN 20 MIN. 300 PSI DIFF. RIH TAG FILL @ 8537'. C/O 5' OF SND. FCP = 125 PSI.
								CBP #8) DRLG OUT BAKER 8K CBP @ 8542' IN 25 MIN. 400 PSI DIFF. RIH TAG FILL @ 8666'. C/O 30' OF SND. FCP = 150 PSI.
								CBP #9) DRLG OUT BAKER 8K CBP @ 8696'. DRLG ON PLUG FOR 3 1/2 HRS. MADE NO HEAD WAY ON PLUG. L/D 15 JTS ON FLOAT. EOT @ 8889'. FLOW WELL OVER W.E. PREP WELL TO POOH W/TBG & CHANGE OUT BIT ON MONDAY.
3/9/2009	7:00 - 7:30	0.50	COMP	48		P		14:30 - TURN WELL TO FLOWBACK CREW FOR WE. HSM. LANDING PRODUCTION TUBING

ROCKIES

Operation Summary Report

Well: NBU 921-14P		Spud Conductor: 6/16/2008		Spud Date: 6/18/2008	
Project: UTAH		Site: UINTAH			Rig Name No: MILES 3/3
Event: RECOMPLETION		Start Date: 2/23/2009		End Date: 3/9/2009	
Active Datum: RKB @4,865.00ft (above Mean Sea Level)			UWI: NBU 921-14P		

Date	Time Start-End	Duration (hr)	Phase	Code	Subco de2	P/U	MD From (ft)	Operation
	7:30 - 11:00	3.50	COMP	50		P		CASING FLOWING PRESSURE 825 PSI, SITP 825 PSI. POBS HAD BEEN PUMPED OFF BEFORE KILL PLG @ 8,696' HAD BENN DRLGD OUT. PUMP 30 BBLS OF 10# BRINE DOWN TUBING. TUBING DEAD. LAND TBG W/ 260 JTS OF 2 3/8" L-80 TBG. EOT @ 8,252.69'. FLOWING CASING @ 825 PSI. PUMP ANOTHER 20 BBLS OF BRINE DOWN TUBING. TUBING DEAD. ND BOP NU WELL HEAD.
	11:00 - 15:00	4.00	COMP	30	C	P		RD RIG. WELL NOT FLOWING. TBG DEAD & 1,000 PSI ON CASING. TUBING STARTED FLOWING @ 12:30. TURN WELL OVER TO FLOW BACK CREW. THERE IS A 10K BAKER CBP @ 8,696' & A POBS & BIT ON TOP OF CBP. TUBING LANDED W/ 260 JTS OF 2 3/8" L-80 EOT @ 8,252.69'
3/10/2009	9:00 -		PROD					WELL TURNED TO SALES @ 1000 HR ON 3/10/09 - FTP 775#, CP 1300#, CK 20/64", 1500 MCFD, 360 BWPD